SHARP SERVICE MANUAL

CODE : 00ZXEA201VSME

ELECTRONIC CASH REGISTER

MODEL XE-A201

SRV KEY : Not necessary
PRINTER : M-T51
(V version)

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PARTS GUIDE

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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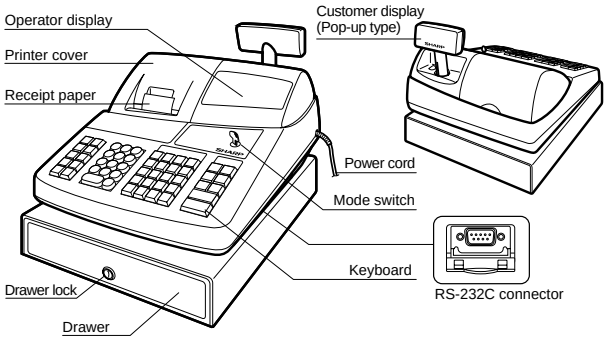
The contents are subject to change without notice.

CHAPTER 1. SPECIFICATIONS

1. APPEARANCE

■**Front view** ■**Rear view**



2. RATINGp

	XE-A201
Weight	16.8lb (7.6kg)
Dimensions	330 (W) x 428 (D) x 280 (H) mm 13.0 (W) x 16.9 (D) x 11.0 (H) inches
Power source	220V~230V (±10%) 50/60Hz 230V~240V (±10%) 50Hz
Power consumption	220V~230V: Stand-by 8W Operating 46W (max) 230V~240V: Stand-by 8W Operating 45W (max)
Working temperature	0°C~40°C (32°F to 104°F)

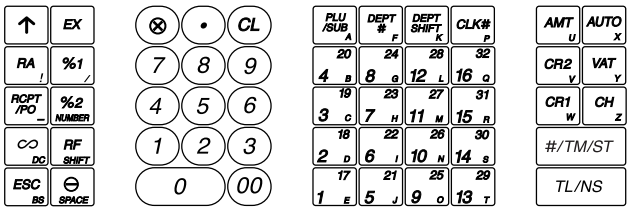
3. KEYBOARD

1) KEYBOARD LAYOUT

Type	Normal keyboard
Key position	STD/MAX 53
Key pitch	19 (W) x 19 (H) mm
Key layout	Fixed type

2) KEY LIST

■**Keyboard layout**



Note: The small characters on the bottom or lower right in each key indicates functions or characters which can be used for character entries for text programming.

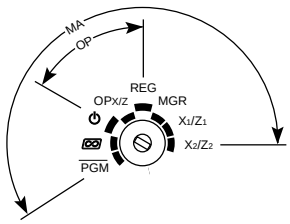
■**Key names**

KEY TOP	DESCRIPTION
↑	Paper feed key
RA	Received-on account key
RCPT/PO	Receipt print/Paid-out key
CO	Void key
ESC	Escape key
EX	Foreign currency exchange key
%1, %2	Percent 1 and 2 keys
RF	Refund key
⊖	Discount key
⊗	Multiplication key
•	Decimal point key
CL	Clear key
00, 0~9	Numeric keys
PLU/SUB	PLU/Subdepartment key
DEPT #	Department code entry key
DEPT SHIFT	Department shift key
CLK#	Clerk code entry key
1-17~16-32	Department keys
AMT	Amount key
AUTO	Automatic sequence key
VAT	Value added tax key
CR1, CR2	Credit 1 and 2 keys
CH	Cheque key
#/TM/ST	Non-add code/Time display/Subtotal key
TL/NS	Total/No sale key

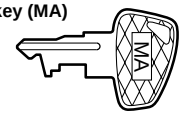
4. MODE SWITCH

1) LAYOUT

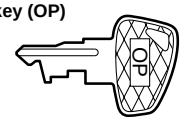
• Rotary type



Manager key (MA)



Operator key (OP)



The mode switch can be operated by inserting one of the two supplied mode keys - manager (MA) and operator (OP) keys. These keys can be inserted or removed only in the “REG” or “OFF” position.

The mode switch has these settings:

⏻: This mode locks all register operations. (AC power turns off.) No change occurs to register data.

OP X/Z: To take individual clerk X or Z reports, and to take flash reports.

It can be used to toggle receipt state “ON” and “OFF” by pressing he [RCP/PO] key.

REG: For entering sales.

PGM: To program various items.

VOID: Enters into the void mode. This mode allows correction after finalizing a transaction.

MGR: For manager’s entries. The manager can use this mode for an override entry.

X1/Z1: To take the X/Z report for various daily totals.

X2/Z2: To take the X/Z report for periodic (weekly or monthly) consolidation.

5. DISPLAY

1) OPERATOR DISPLAY

Display device : LED numeric display
Number of line : 1 line
Number of positions : 10 positions numeric display
Color of display : Yellow / Green
Character form : 7 segment + DP
Character size : Numeric 14.2 (H) x 7.9 (W) mm

Layout:

0 . 1 . 2 . 3 . 4 . 5 . 6 . 7 . 8 . 9 .

2) CUSTOMER DISPLAY

Display device : LED
Number of line : 1 line
Number of positions : 7 positions
Color of display : Yellow / Green
Style : Pop up type
Character form : 7 segment + Dp
Character size : 14.2mm (H) x 7.9mm (W)

Layout:

3 . 4 . 5 . 6 . 7 . 8 . 9 .

Operator display **Customer display (Pop-up type)**

Amount: Appears in the far-right eight (max.) positions. When the amount is negative, the minus symbol "-" appears before the amount.

Number of repeats for repetitive registrations:

The number of repeats is displayed, starting at "2" and incremental with each repeat. When you have registered ten times, the display will show "0." (2 → 3 .... 9 → 0 → 1 → 2 ...)

Receipt function status:

The indicator "_" appears in the RCPT OFF position when the receipt function is in the OFF status.

Time: Appears in the second to sixth positions (using 24-hour format) in the OP X/Z, REG or MGR mode. In the REG or MGR mode, press the [#/TM/ST] key to display the time.

■Machine state symbols

P: Appears during programming.

E: Appears when an error is detected.

o: Appears when the subtotal is displayed or when the amount tendered is smaller than the sales amount.

c: Appears when the [EX] key is pressed to calculate a subtotal in foreign currency.

F: Appears when a transaction is finalized by pressing the [TL/NS], [CH], [CR1] or [CR2] key.

C: Appears when the change due amount is displayed.

E-E: Appears in the far-left three positions at the timing of key entry when the electronic journal (EJ) memory is full. (Depending on programming.)

L: Appears when the voltage of the installed batteries is under the required level. You must replace with new ones within two days.

L: Appears when the batteries are not installed, or the installed batteries are dead. You must replace with new ones immediately.

•: May appear right below the eighth and ninth places at the timing of finalization of a transaction when the electronic journal (EJ) memory is nearly full.
Also appears right below the tenth place when power save mode is effective.

E-EU: Appearss when programmed date (and time) for EURO modification operation is come.

H: Appears when the print head release lever is in the lifted position.

PPPPPPPPPP :Appears when the paper is out.

Segment

	Display position	Description
Amount	1-8	
Minus sign	2-10	-: Floating
Error	8-10	Exx:xx = error code
PGM Mode	10	P
CASH, CHECK, CHARGE	10	F: Light up when a registration is finalized by depressing CASH, CHECK, CHARGE key
SUB TOTAL/ short tender	10	o
Change	10	C: Light up whenever the change due amount appears in the display.
Currency Conversion	10	c: Light up whenever the foreign amount appears in the display.
Department	9-10	No zero-suppressed
PLU	7-10	No zero-suppressed
Repeat	8	Endless count, starting from 2.
Receipt OFF	9	_
DC		_: Double size character entry status
SHIFT		_: Shift character entry status
NUMBER		_: Number character entry status
Clerk No.	2, 3	-xx-: clerk number
EJ FULL	8-10	E-E: Light up when EJ memory is FULL at the timing of key entry (by PGM selection).
Low Battery	10	L:
No Battery	10	L:

Decimal Point

	Display position	Description
Decimal point	7-1	
TAB	4-1	
EJ near full	8, 9	(by PGM selection)

6. PRINTER

1) Printer

- Part number : M-T51
- NO. of station : 1 (Receipt or journal)
- Validation : No.
- Printing system : Line thermal
- No. of dot : 288 dots
- Dot pitch : Horizontal 0.167mm
  Vertical 0.174mm
- Font : 10 dots (W) × 24 dots (H)
- Printing capacity : max. 24 characters
- Character size : 1.67mm (W) × 4.17mm (H) at 10 × 24 dots
- Print pitch : Column distance 2.0mm
  Row distance 5.21mm
- Print speed : Approximate 52mm/s (Approximate 10 l/s)
- Paper feed speed : Approximate 52mm/s (Approximate 10 l/s)
  (Manual feed) : Approximate 52mm/s (Approximate 10 l/s)
- Reliability : Mechanism LIFE 6 million lines used to high-quality thermal paper
- Paper end sensor : Set up
- Cutter : Manual Cutter
- Near end sensor : No

2) Paper

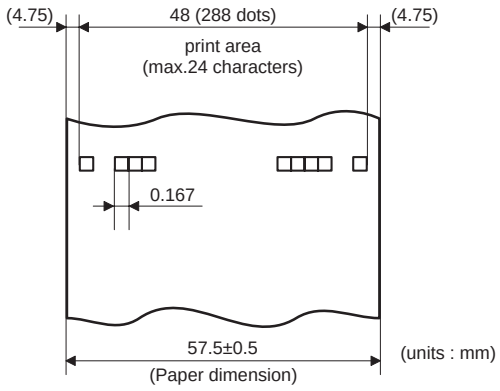
- Paper roll dimension : 57.5 ± 0.5mm in width
  Max. 80mm in diameter
- Paper quality : High-quality thermal paper
  paper thickness: 0.06 to 0.08mm
  Nihon seisi thermal paper : TF50KS-E
  Oji thermal paper : PD150R, PD160R

3) Logo stamp

- No

4) Printing area

Number of thermal head heater elements 288 dots



7. DRAWER

[OUTLINE]

- Standard equipment: Yes (1)
- Max. number of additional drawers: 0
- The drawer consists of:
  1) Drawer box (outer case) and drawer
  2) Money case
  3) Lock (attached to the drawer)

[SPECIFICATION]

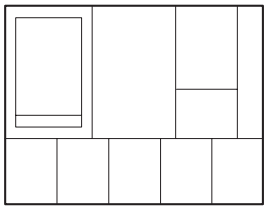
1) DRAWER BOX AND DRAWER

Model name of the drawer box	SK360
Size	329 (W) x 363 (D) x 106 (H) mm
Material	Metal
Bell	–
Release lever	Standard equipment: situated at the bottom
Drawer open sensor	–
Separation from the main unit	–

2) MONEY CASE

Separation from the drawer	Allowed
Separation of the bill compartments from the coin compartments	Allowed
Bill separator	Standard
Number of compartments	3B/7C

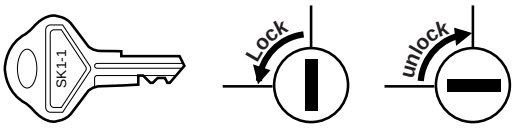
Layout:



3B/7C

3) LOCK (LOCK KEY : LKGIM7331BHZZ)

- Location of the lock: Front
- Method of locking and unlocking:
  To lock, insert the drawer lock key into the lock and turn it 90 degrees counter clockwise.
  To unlock, insert the drawer lock key and turn it 90 degrees clockwise.
- Key No: SK1-1



8. BATTERY

1) MEMORY BACK UP BATTERY

For memory back up, the dry battery AA (3 pieces) are needed.

1. Memory holding time:

   Approx. 1 year after New dry batteries are installed.

2. Battery exchange method:

   When the low battery symbol “L” lights up, replace the batteries (3 AA) by the following method;

   1) Power on the ECR.
   2) Mode switch turn to “REG” mode.
   3) Remove the OLD dry batteries (3 pieces).
   4) Insert the NEW dry batteries (3 pieces).
   5) Confirm the low battery symbol “L” is off.

2) LOW BATTERY

Low battery indication will appear on the left side of display when the battery voltage is low.

CASE 1: When any numeric entry & any item entry is not done or just after finalization.

The machine can indicate the low battery condition. (Always)

CASE 2: When numeric entry or item entry is done.

Battery condition will not appear.
Exceptionally, when the power is restored after a power failure, the low battery condition will appear on the display only when the battery is low.
And the indicator will disappear after any key entry.

[Display sample]

“ 0.00” : Battery is OK.
“L 0.00” : Low battery (You have to change the batteries.)
“ㄴ 0.00” : No battery (You have to change the batteries immediately.)

After finalization

“F 12.34” : Battery is OK.
“L 12.34” : Low battery. (“L” indicate instead of “F”.)
“ㄴ 12.34” : No battery. (‘ㄴ” indicate instead of “F”.)

Note: “NO BATTERY”: When the “NO BATTERY” is display, the master reset is executed at the timing of “POWER ON” after the “POWER OFF”.

CHAPTER 2. OPTIONS

1. OPTIONS (No)

2. SERVICE OPTIONS (No)

3. SUPPLIES

NO	NAME	PARTS CODE	PRICE RANK	DESCRIPTION
1	Roll paper	TPAPR2377RC05	AY	5roll/pack

4. SPECIAL SERVICE TOOLS

NO	NAME	PARTS CODE	PRICE RANK	DESCRIPTION
1	RS-232 Loop-back connector	UKŌG-6705RCZZ	BU	
2	POS tools (IPL Software)	UKŌG-2365BHZZ	–	

CHAPTER 3. MASTER RESET AND PROGRAM RESET

1. MASTER RESETTING

Master resetting clears the entire memory and resumes initial values.

Master resetting can be accomplished by using the following procedure:

Procedure A:
1) Plugin the AC cord to the wall outlet.
2) Set the mode switch to REG position.
3) Let the ECR be witout the memory backup battery.
4) Unplug the AC cord from the wall outlet.
5) Wait over 1 minute for discharging.
6) Plugin the AC cord to the wall outlet.

The master reset can also be accomplished in the following case.

In case power failure occurs when the machine has no battery attached to it, the master reset operation is automatically performed after the power has been restored.

(This is because if power failure occurs with no battery attached to the machine, all the memories are lost and the machine does not work properly after power recovery; this requires the master reset operation.)

2. PROGRAM RESETTING (INITIALIZATION)

This resetting resumes the initial program without clearing memory.

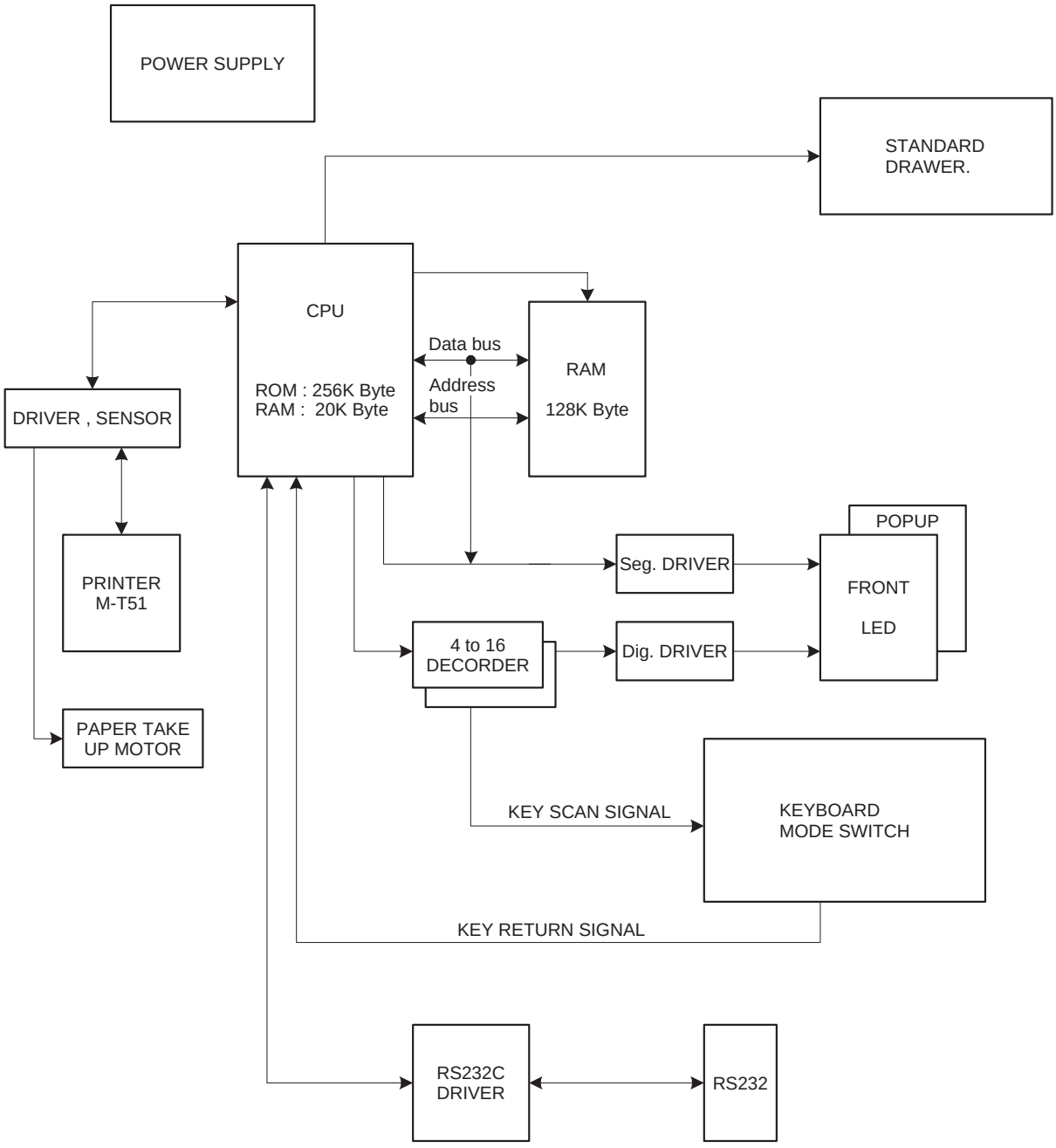
This resetting can be operated at below sequence in PGM mode.

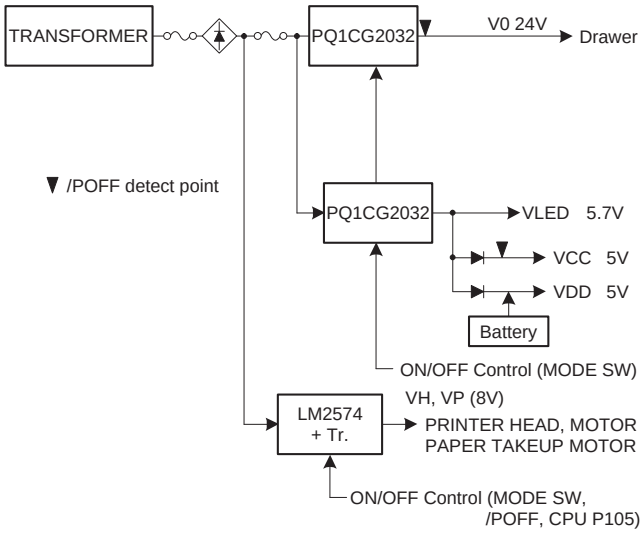
Procedure:
1) Unplug the AC cord from the wall outlet.
2) Wait over 1 muinite for discharging.
3) Set the mode switch to the PGM position.
4) While holding down the FEED key, plugin the AC cord to the wall outlet.

Note: In case power failure occurs when the machine has no battery attached to it, the master reset operation is automatically performed after the power has been restored.

CHAPTER 4. HARDWARE DESCRIPTION

1. HARDWARE BLOCK DIAGRAM

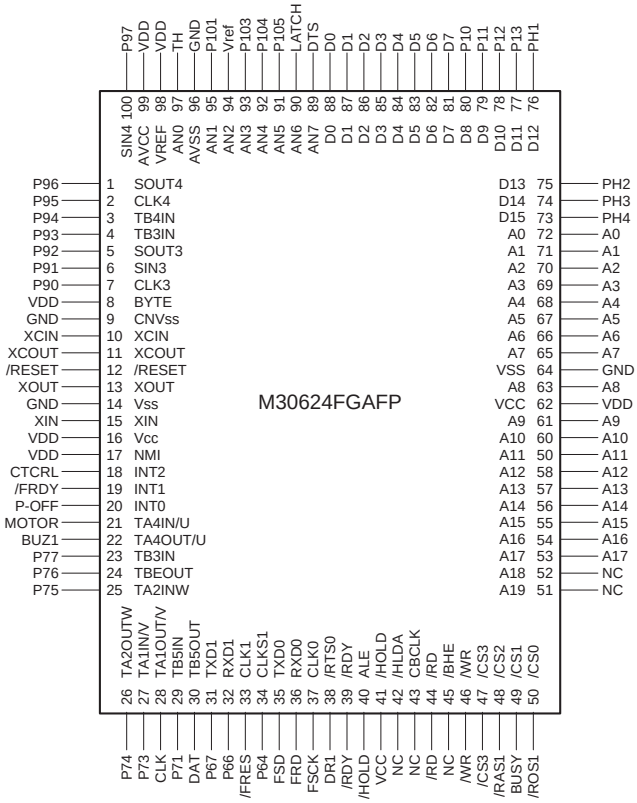




2. DESCRIPTION OF MAIN LSI'S

2-1. CPU (M30624FGAFP)

1) Pin configuration



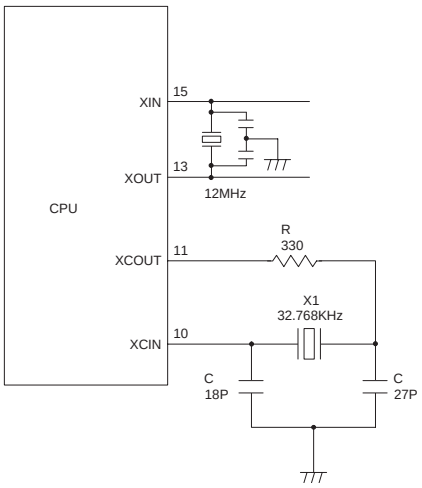
2) Pin description

Pin No.	SYMBOL	SIGNAL NAME	In/ Out	Function
1	SOUT4	P96	In	Key IN
2	CLK4	P95	In	Key IN
3	TB4IN	P94	In	Key IN
4	TB3IN	P93	In	Key IN
5	SOUT3	P92	In	Key IN
6	SIN3	P91	In	Key IN
7	CLK3	P90	In	Key IN
8	BYTE	VDD	In	VDD
9	CNVss	CNVss	In	Normal : L Booting : H
10	XCIN	XCIN	In	Calender clock :32.768KHz
11	XCOUT	XCOUT	In	Calender clock :32.768KHz
12	/RESET	/RESET	In	Reset
13	XOUT	XOUT	Out	Open
14	Vss	Vss	In	Vss
15	XIN	XIN	In	System clock
16	Vcc	VDD	In	VDD
17	NMI	P85	In	Not used
18	INT2	P84	Out	PRINTER/STB2
19	INT1	/RDY	In	NU FMC (/RDY)
20	INT0	P-OFF	In	Power off
21	TA4IN/U	MOTOR	Out	Paper take up motor drive
22	TA4OUT/U	BUZ1	Out	Buzzer drive
23	TB3IN	P77	In	RS232 :DR
24	TBEOUT	P76	In	RS232 :CS
25	TA2INW	P75	In	RS232 :CD
26	TA2OUTW	P74	Out	RS232 :ES
27	TA1IN/V	P73	Out	Drawer drive 2
28	TA1OUT/V	CLK2	Out	Printer data clock
29	TB5IN	P71	Out	NU FMC (BUSY)
30	TB5OUT	TXD2	Out	Print data
31	TXD1	P67	Out	RS232 :SD
32	RXD1	P66	In	RS232 :RD
33	CLK1	/FRES	Out	NU FMC (/FRES)
34	CLKS1	P64	Out	RS232 :RS
35	TXD0	FSD	Out	FMC :Send data
36	RXD0	FRD	In	FMC :Receive data
37	CLK0	FSCK	Out	FMC :Shift clock
38	/RTS0	DR1	Out	Drawer drive 1
39	CLKOUT	/RDY	In	/RDY (CGROM)
40	ALE	NC	Out	NOT USE
41	/HOLD	/HOLD	In	/BOOT MODE
42	/HLDA	NC	Out	NOT USE
43	CBCLK	BCLK	Out	BCLK
44	/RD	/RD	Out	Read
45	/BHE	NC	Out	NOT USE
46	/WR	/WR	Out	Write
47	/CS3	CS3	Out	Display segment latch
48	/CS2	/CS2	Out	Chip select :for RAM
49	/CS1	/CS1	Out	EPM Control
50	/CS0	/CS0	Out	Chip select :for ROM
51	A19	A19	Out	Address bus :19
52	A18	A18	Out	Address bus :18

Pin No.	SYMBOL	SIGNAL NAME	In/ Out	Function
53	A17	A17	Out	Address bus :17
54	A16	A16	Out	Address bus :16
55	A15	A15	Out	Address bus :15
56	A14	A14	Out	Address bus :14
57	A13	A13	Out	Address bus :13
58	A12	A12	Out	Address bus :12
59	A11	A11	Out	Address bus :11
60	A10	A10	Out	Address bus :10
61	A9	A9	Out	Address bus :9
62	VCC	VDD	In	VDD
63	A8	A8	Out	Address bus :8
64	VSS	VSS	In	VSS
65	A7	A7	Out	Address bus :7
66	A6	A6	Out	Address bus :6
67	A5	A5	Out	Address bus :5
68	A4	A4	Out	Address bus :4
69	A3	A3	Out	Address bus :3
70	A2	A2	Out	Address bus :2
71	A1	A1	Out	Address bus :1
72	A0	A0	Out	Address bus :0
73	P17	ENA2	Out	Paper feed motor :ENA2
74	P16	ENA1	Out	Paper feed motor :ENA1
75	P15	IN2	Out	Paper feed motor :IN2
76	P14	IN1	Out	Paper feed motor :IN1
77	P13	P13	Out	Key/Display
78	P12	P12	Out	Key/Display
79	P11	P11	Out	Key/Display
80	P10	P10	Out	Key/Display
81	D7	D7	InOut	Data bus :7
82	D6	D6	InOut	Data bus :6
83	D5	D5	InOut	Data bus :5
84	D4	D4	InOut	Data bus :4
85	D3	D3	InOut	Data bus :3
86	D2	D2	InOut	Data bus :2
87	D1	D1	InOut	Data bus :1
88	D0	D0	InOut	Data bus :0
89	AN7	STB1	Out	Printer head strobe
90	AN6	LATCH	Out	Printer data latch
91	AN5	P105	Out	Printer head voltage ON
92	AN4	P104	Out	CG ROM Bank
93	AN3	P103	In	VBAT
94	AN2	Vref	In	NU Vret
95	AN1	P101	In	Printer head voltage check
96	AVSS	VSS	In	VSS
97	AN0	TH	In	Print head temperature check
98	VREF	VDD	In	VDD
99	AVCC	VDD	In	VDD
100	SIN4	P97	In	Key IN

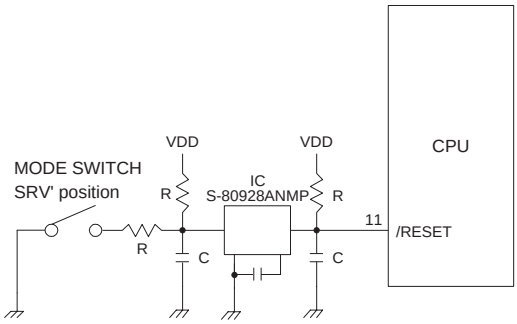
3. CLOCK GENERATOR

1) CPU



Two oscillators are connected to the CPU.
The basic clock X2 is supplied from a 12MHz oscillator.
If the CPU was not operating properly, the signal does not appear on this line in most cases.
The sub-clock X1 generates 32.768KHz which is primarily used to update the internal RTC (real time clock).
During the standby mode, it keeps oscillating to update the clock and monitoring the power recovery.

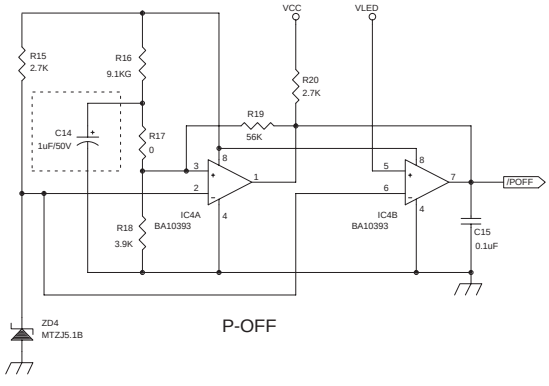
4. RESET CIRCUIT



(1) When the mode switch is placed in the “SRV” position, the reset signal is sent to the CPU to reset the hardware.

(2) When VDD ≦ 2.8V, a reset signal is outputted from the reset IC. (S-80928ANMP)

5. P-OFF CIRCUIT



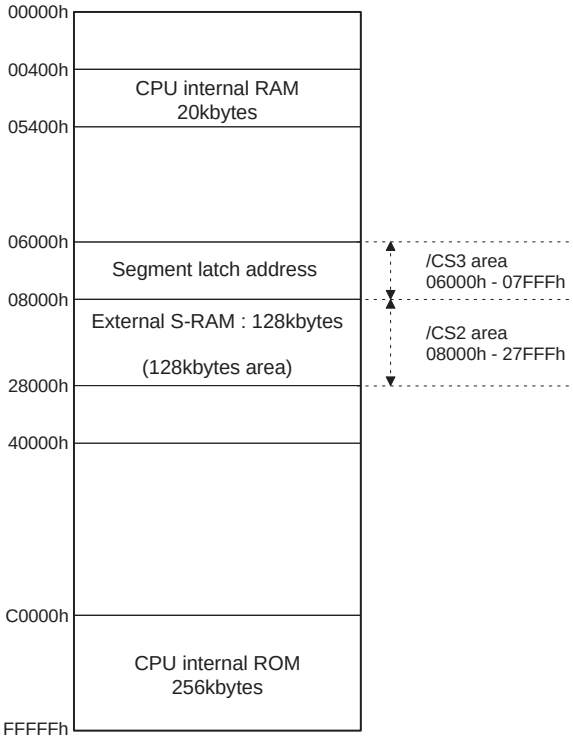
The P-OFF signal detects two signals by two comparators and sent to the CPU.

V0 (24V) signal: If the power voltage V0 (24V) falls bellow the specified level, the P-OFF signal is driver to LOW by the comparator ICAA.

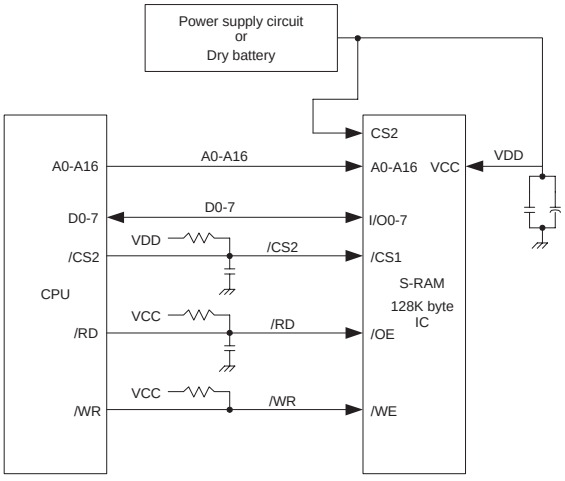
VLED signal: If the LED/Logic power voltage VLED falls below the specified level, the P-OFF signal is driven to LOW by the comparator IC4B.

6. MEMORY CIRCUIT

1) Address map

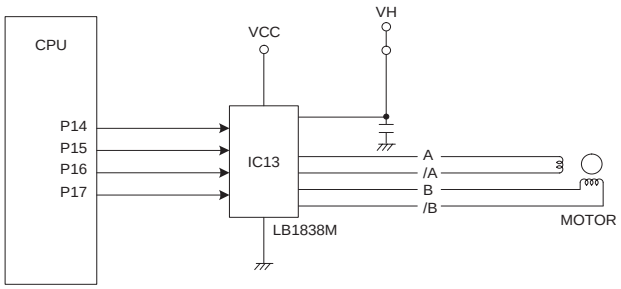


2) RAM control



7. PRINTER CONTROL CIRCUIT

1) Paper feed motor circuit



Stepping motor control

The 2-phase, bi-polar stepping motor is driven at a constant voltage by LB1838M (made by SANYO).

1 step: 0.087mm

1 dot: 2 steps

CPU port

No.	CPU port	Signal used
76	P14	IN1
75	P15	IN2
74	P16	ENA1
73	P17	ENA2

Drive step

	Driver IC input (CPU output)				Motor drive signal			
STEP	IN1	IN2	ENA1	ENA2	A (OUT1)	B (OUT3)	/A (OUT2)	/B (OUT4)
1	L	L	H	H	H	H	L	L
2	H	L	H	H	L	H	H	L
3	H	H	H	H	L	L	H	H
4	L	H	H	H	H	L	L	H

2) Print circuit

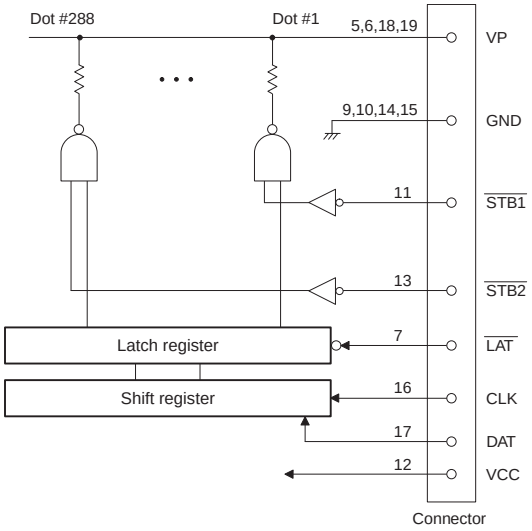
Thermal head configuration

As shown in the equivalent circuit in the figure, thermal head consists of heating elements and head drivers which drives and controls those heating elements.

The serial print data input through the DATA IN (D1) is transferred to the shift register synchronizing with the CLOCK (CP) and stored in the latch register by the LATCH (LA) signal.

The head conduction signals (print commands 1 ~ 6) turn the gate on to conduct the heating element corresponding to the print data.

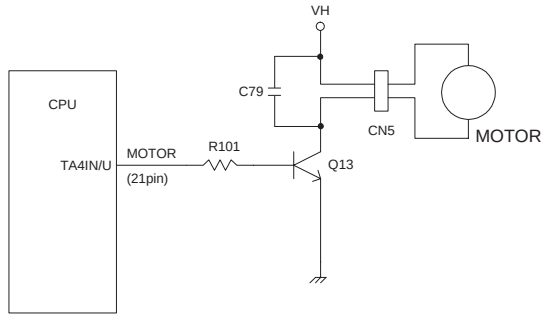
Thermal head block daigram



Thermal head strobe terminals

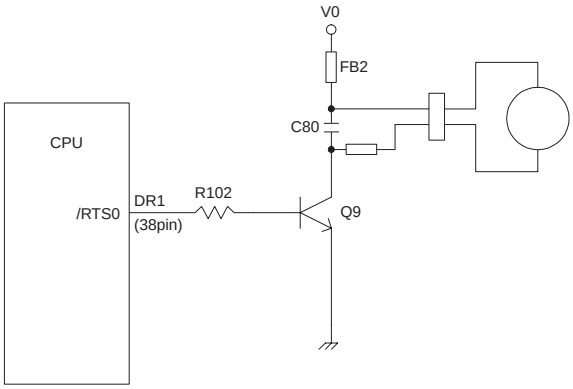
STB No.	Dot No.	Number of dots
1	1 ~ 144	144
2	145 ~ 288	144

8. PAPER TAKE UP MOTOR DRIVE CIRCUIT



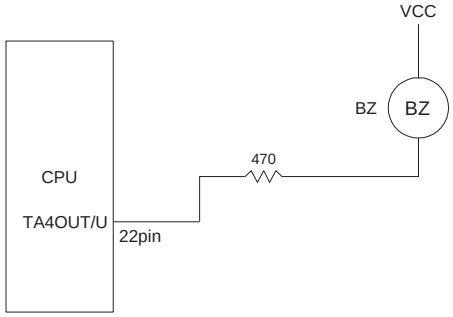
When the MOTOR signal from the CPU is HIGH, Q1 is turned on to operate the motor.

9. DRAWER DRIVE CIRCUIT



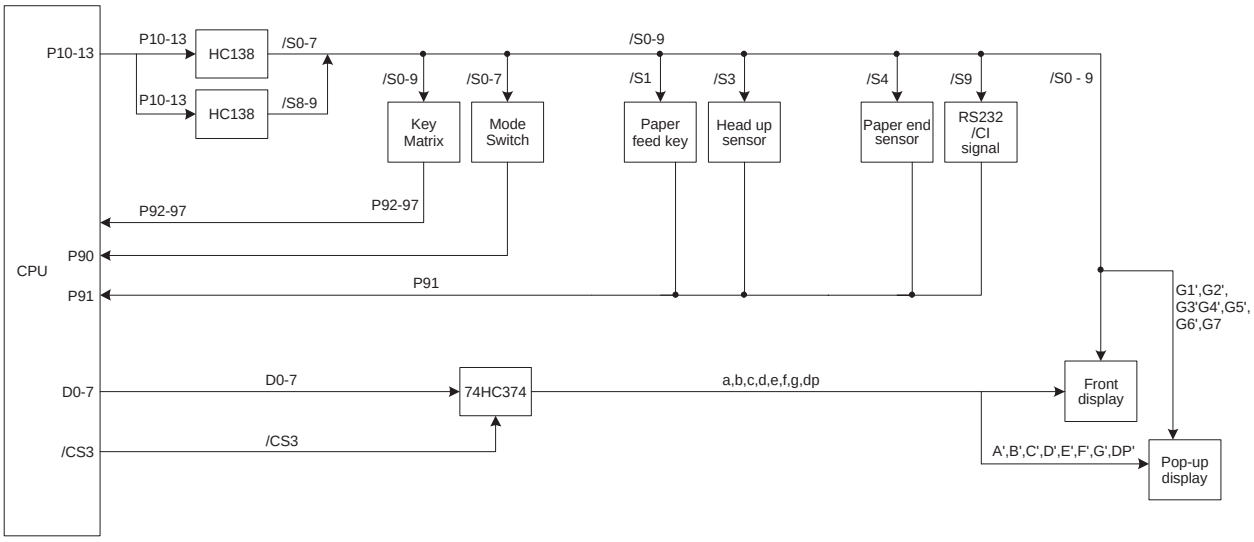
When the DR1 signal from the CPU is HIGH, Q9 is turned on to operate the solenoid.

10. BUZZER DRIVE CIRCUIT



When the pulse signal (about 4KHz) is generated from the CPU, the buzzer sounds.

11. KEYBOARD CIRCUIT



Four P10-13 signals from the CPU are converted into 16 strobe signals by two 74HC138 for use in various functions.

1) Keyboard

Scan signal: 10 /S0-9 signals

Return signal: 6 P92-97 signals

The keys are read by the key matrix following the above signals.

2) Mode switch

Scan signal: 8 /S0-7 signals

Return signal: 1 P90 signal

The positions are read by the above signals.

Scan signal	/S0	/S1	/S2	/S3	/S4	/S5	/S6	/S7
Mode switch position	(SRV)	PGM	∞	OPX/Z	REG	MGR	X1/Z1	X2/Z2

3) Paper feed key

Scan signal: 1 /S1 signal

Return signal: 1 P91 signal

The paper feed key is read by the above signals.

4) Head up sensor

Scan signal: 1 /S3 signal

Return signal: 1 P91 signal

The Head up sensor state is read by the above signals.

Head up sensor	Head up detected	Head up not detected
P91	Low	High

5) Paper end sensor

Scan signal: 1 /S4 signal

Return signal: 1 P91 signal

The paper end sensor state is read by the above signals.

Receipt near end sensor	Near end detected	Near end not detected
P91	Low	High

6) RS232/CI signal detection

Scan signal: 1 /S9 signal

Return signal: 1 P91 signal

The RS232/CI signal is detected by the above signals.

RS232 /CI signal	/CI signal detected	/CI signal not detected
P91	Low	High

7) Display

Scan signal: 10 /S0-9 signals

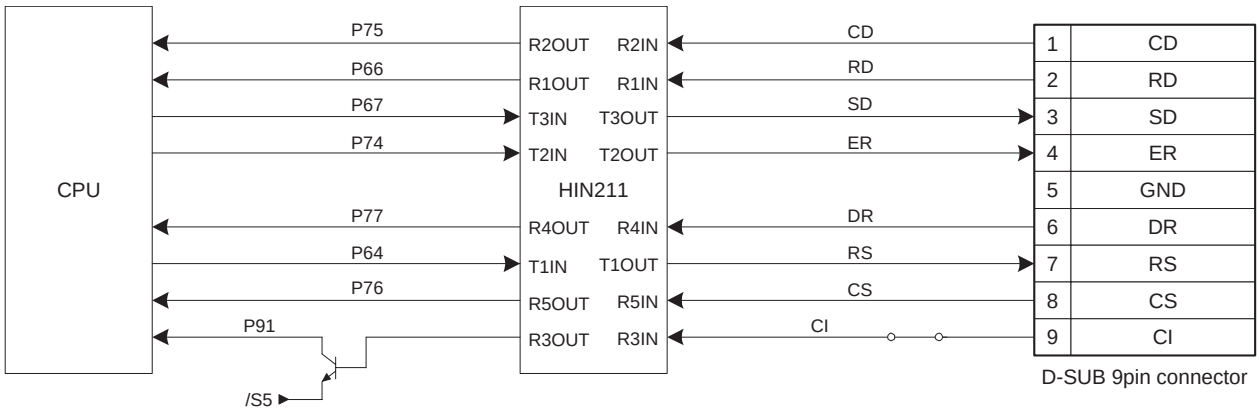
The above 10 scan signals are used as the following digit signals.

Digit signal:

Scan signal	/S0	/S1	/S2	/S3	/S4	/S5	/S6	/S7	/S8	/S9
Digit signal: Front	G1'	G2'	G3'	G4'	G5'	G6'	G7'	G8'	G9'	G10'
Digit signal: Pop-up	G1'	G2'	G3'	G4'	G5'	G6'	G7'			

Segment signal : Segment signals: a, b, c, d, e, f, g, and DP are output by the IC:74HC374, using the data bus signal:D0-7 from the CPU as an input signal and the chip select signal:/CS3 as a latch signal.

12. RS232 CIRCUIT



The signals from the CPU are converted by the HIN211 into the RS232 level to input and output them.

CHAPTER 5. TEST FUNCTION

1. TEST ITEMS

The test items are as follows:

NO.	Code	Description
1	100	Display buzzer test
2	101	Key code
3	102	Printer test
4	104	Keyboard test
5	105	mode switch test
6	106	Printer sensor test
7	107	Clock display test
8	110	Drawer 1 open & sensor test
9	120	External RAM test
10	121	CPU internal RAM test
11	140	CPU internal ROM test
12	160	AD conversion port test
13	500	RS232C test
14	550	Sleep mode test

2. DESCRIPTION OF EACH DIAGNOSTIC PROGRAM

1) DISPLAY BUZZER TEST

① Key operation

100 ⟶ RCPT/PO

② Test procedure

Display at operator side 1.2.3.4.5.6.7.8.9.0.
Display at front side 4.5.6.7.8.9.0.

The decimal point will shift in steps of 1 digit from the lower digit to the upper (every 200 m sec).

After that, all segments turn on (about 1 sec)

Display at operator side 8.8.8.8.8.8.8.8.8.8.
Display at front side 8.8.8.8.8.8.8.

This mode is repeated.
At the same time, the buzzer sounds continuously.

③ Check that:

A) Each position is correctly displayed.

B) The brightness of each number is uniform.

C) The buzzer sound is normal.

④ End of testing

You can exit the test mode by pressing any key. The following is printed.

1 0 0

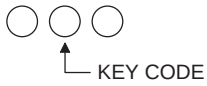
2) KEY CODE

① Key operation

101 ⟶ RCPT/PO

② Test procedure

Display



③ Check that:

KEY code: Every time a key is pressed, the code of that key is displayed as a decimal number.

When a key is pressed twice or pressed in an incorrect manner, --- will be displayed.

④ End of testing

You can exit the test mode by turning the mode switch to a position other than the SRV mode. The printer prints as follows:

1 0 1

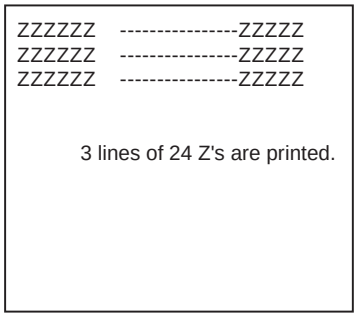
3) PRINTER TEST

① Key operation

102 ⟶ RCPT/PO

② Test procedure

Display 1 2 3 4 5 6 7 8 9 0



③ Check that:

The print is free from contamination, blur, and uneven density.

④ End of testing

The test will end automatically.

4) KEYBOARD TEST

① Key operation

104 ⟶ RCPT/PO

② Test procedure

The keyboard is checked using the sumcheck data of the key code.

Display 1 0 4

③ Check:

A) The content of completion print

④ End of testing

When the test ends normally 104
When an error occurs E- ~ - 104

Note: Calculation of key sumcheck data
The hard code (hexadecimal number) at the position (excluding feed key) where there is an input data contact is added.
However, the end key (CA/AT/NS) is not added.
This data to which hard codes have been added is converted into a decimal number value, which will become the sumcheck data that will be entered when the Diag is started.

5) MODE SWITCH TEST

① Key operation

105 ⟶ RCPT/PO

② Test procedure

Display 1 0 5 X

MODE: _PGM_ ∞ _ ⏻ _OP X/Z_REG_MGR_X1/Z1_X2/Z2____PGM
x : 1 2 9 3 4 5 6 7 1

The above x must be read in the correct order. (If the contact is open, 9 will be displayed.)

③ Check:

The display during testing and the content of the completion print.

④ End of testing

When the test ends normally: 105
When an error occurs: E- ~ - 105

6) PRINTER SENSOR TEST

① Key operation

106 ⟶ RCPT/PO

② Test procedure

Check the status of paper end sensor and head up sensor.

7-segment display: 1 0 6 X Y

③ Check the following:

X:1 - Paper present Y:1 - Head DOWN
O - Out of paper O - Head UP

④ End of testing

You can exit the test mode by pressing any key and the printer prints the following:

1 0 6

7) CLOCK TEST

① Key operation

107 ⟶ RCPT/PO

② Test procedure

Displayed digit: 8 7 6 5 4 3 2 1

7-segment display: ∗ ∗ − ∗ ∗ ∗ ∗

hour min sec

Blinks at an interval of 0.5 sec.

③ Check that:

"-" blinks and the clock counts up.

④ End of testing

When any key is pressed, the date and time are printed and the test mode will terminated.

Display 1 0 6 XXXXXX - XXXXXX

year month day hour min sec

8) DRAWER 1 OPEN AND SENSOR TEST

① Key operation

110 ⟶ RCPT/PO

② Test procedure

Display 1 1 0 X

X: O = DRAWER OPEN
C = DRAWER CLOSED

③ Check that:

A) The drawer opens normally.

B) The sensor correctly indicates the status of the drawer 1.

∗ On the XE-A201, "C" (CLOSED) is always displayed.

④ End of testing

You can exit the test mode by pressing any key. The printer prints the following.

1 1 0

9) EXTERNAL RAM TEST

① Key operation

120 ⟶ RCPT/PO

② Test procedure

The standard 128 Kbyte RAM is checked.
The contents of the memory are lost after this test.
RAM(08000H ~ 27FFFH area) is tested in the following procedure:

a) Data in the test area is stored.

b) Write "00H"

c) Read and compare "00H" and then write"55H"

d) Read and compare "55H" and then write"AAH"

e) Read and compare "AAH"

f) Restore stored data.

If an error occurs at a step, the error is printed.
If an error does not occur, the following addresses are checked.

Addresses to be checked:
10000H , 10001H , 10002H , 10004H , 10008H
10010H , 10020H , 10040H , 10080H ,
10100H , 10200H , 10400H , 10800H ,
11000H , 12000H , 14000H , 18000H ,
20000H

Display 1 2 0

③ Check:

A) The completion print.

④ End of testing

The program ends after printing.

When the test ends normally. 120
When the test ends abnormally. Ex- ~ - 120
*****
x = 1: Data error
x = 2: Address error

When an error occurs, the printer outputs the error message and then the address where the error has occurred in the area ****.

10) CPU internal RAM test

① Key operation

121 ⟶ RCPT/PO

② Test procedure

The test program checks internal RAM of the CPU.
The contents of the memory are lost after this test.
RAM (00400H - 053FFH area) is tested in the following procedure.

a) Data in the test area is stored.

b) Write “00H”

c) Read and compare “00H” and then write “55H”

d) Read and compare “55H” and then read “AAH”

e) Read and compare “AAH”

f) Stored data is restored.

If an error occurs at a step, the error is printed.
If an error does not occur, the following addresses are checked.
Addresses to be checked:

01000H , 01001H , 01002H , 01004H , 01008H
01010H , 01020H , 01040H , 01080H ,
01100H , 01200H , 01400H , 01800H ,
02000H , 04000H

Display 1 2 1

③ Check:

The completion print.

④ End of testing.

The test program ends after printing.

When the test ends normally. 121
When the test ends abnormally. Ex- ~ - 121
*****
x = 1: Data error
x = 2: Address error

If an error occurs, the printer outputs the error message and then the address where the error has occurred in the area ****.

11) CPU internal ROM test

① Key operation

140 ⟶ RCPT/PO

② Test procedure

The test program checks that the checksum of the CPU internal flash ROM (C0000H - FFFFFH) is correct.
The lower two digits of the checksum should be 10H.(pending)

Display 1 4 0

③ Check:

The completion print.

④ End of testing

The test will automatically be terminated and the printer prints as follows:

When the test ends normally. 140
ROM ******** (CPU CODE)
******** (Version)
When the test ends abnormally. E- ~ - 140
ROM ******** (CPU CODE)
******** (Version)

12) AD conversion port

① Key operation

160 ⟶ RCPT/PO

② Test procedure

The test program displays the voltage of each AD port.

1. Head temperature 1 6 0 1 XXX
2. Head voltage 1 6 0 2 XXX
3. Battery voltage 1 6 0 3 XXXX

③ End of testing

You can exit the test mode by pressing any key.
The printer prints the follwing.

1 6 0

13) RS232C test

Install the RS232C loopback connector. (UKOG-6705RCZZ)

① Key operation

500 ⟶ RCPT/PO

② Test procedure

Control signal check

OUT PUT		IN PUT			
/ER	/RS	/DR	/CI	/CD	/CS
OFF	OFF	OFF	OFF	OFF	OFF
OFF	ON	OFF	OFF	ON	ON
ON	OFF	ON	ON	OFF	OFF
ON	ON	ON	ON	ON	ON

Data communication check
A loopback test of 256-byte data between SD-RD is performed.
DATA: $00 - $FF BAUD RATE: 9600 BPS

7-segment display: 5 0 0

③ Check:

The completion print.

④ End of testing

Completion print RS TEST OK
Error print RS TEST **NG**ERxx
xx Contents of the error
01 ER DR error
02 ER CI error
03 RS CD error
04 RS CD error
05 SD RD error DATA data
06 SD RD error DATA error/framing error

14) Sleep mode test

① Key operation

550 ⟶ RCPT/PO

② Test procedure

The test program checks the system in SLEEP MODE (The display goes off and the Decimal point comes on) and then waits for any status change (KEY input or RS PORT change).

③ Check that:

A) The display goes off (excluding Decimal point)

B) The system turns active when any key is pressed.

④ End of testing

The test program will automatically be terminated and the printer prints the following.

5 5 0

CHAPTER 6. IPL (INITIAL PROGRAM LOADING) FUNCTION

The application program of the XE-A201 is written into the Flash ROM in the CPU.

Since the CPU supplied as a service part does not include the application program in it, the application program must be written when the CPU is replaced with a new one.

To write the application program into the Flash ROM, connect the PC and the XE-A201 with an RS-232C cable, and execute the PC software (PosUtilityTool2).

∗ Use a D-Sub 9pin cross cable employed in conventional communication between ECR-ECR (See APPENDIX: RS232C CABLE).

∗ PosUtilityTool2 includes the ROM data to be written into the CPU as well as the IPL program.

[Related parts/Tool]

PARTS NAME	PARTS CODE	LOCATION No.
CPU (without application program)	VHi30624FGA−1	IC5
PosUtilityTool2	UKŌG−2365BHZZ	

[IPL PROCEDURE]

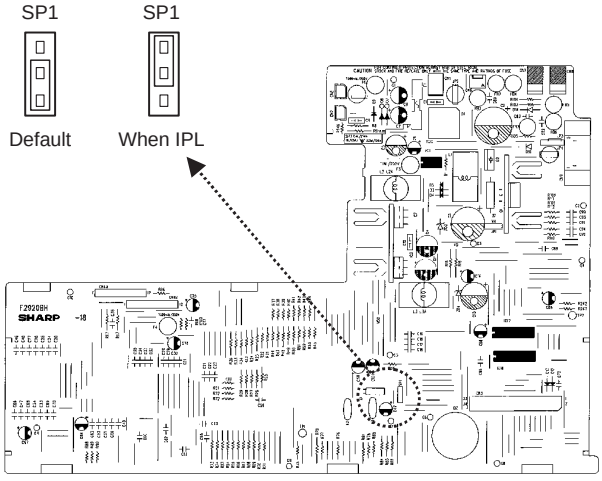
1) Connect the XE-A201 and PC with an RS-232C cable.

<XE-A201 side>

2) Turn off the AC Power. (& remove batteries.)

3) Open the cabinet.

4) Change the IPL JUMPER PIN (SP1) to the rear side.



<Main PWB>

5) Close the cabinet.

6) Turn on the AC Power.
(At this time, ECR looks like inactive, but ECR waits the ROM data from PC.)

<IPL software on PC>

7) Copy the following files in "PosUtilityTool2" into the hard disk of PC.

Postool2.exe

A201v.ROM

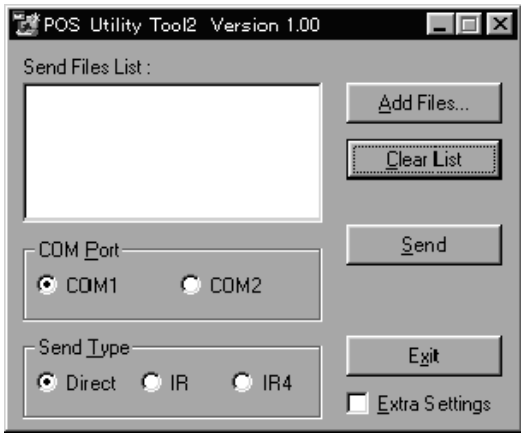
8) Boot "Postool2.exe."

9) Push [Add Files] in the screen.

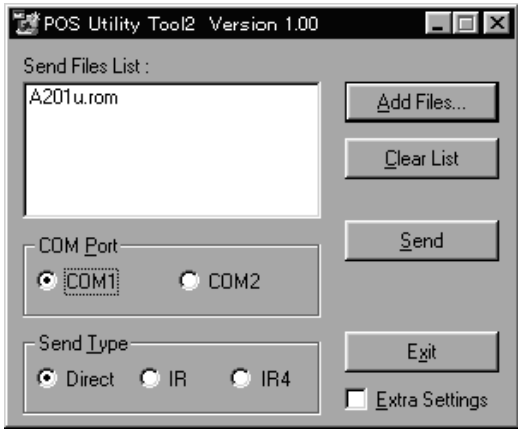
10) Select the ROM DATA file. (File name: A201V.ROM)

11) By pushing [Send] in the screen, the ROM data is sent from PC to ECR.
The address counter is shown on PC and counts up.

12) After about 3-minuites, the message "Complete" is shown on PC.



<After booting>



<After pushing "Add Files">

∗1 COM Port is selectable between COM1 and 2.

∗2 For "Send Type", select "Direct".

∗3 Do not select "Extra Setting".

<XE-A201 side>

12) Turn on the AC Power.

13) Open the cabinet.

14) Change the Jumper PIN (SP1) to the front side. (default position)

15) Close the cabinet.

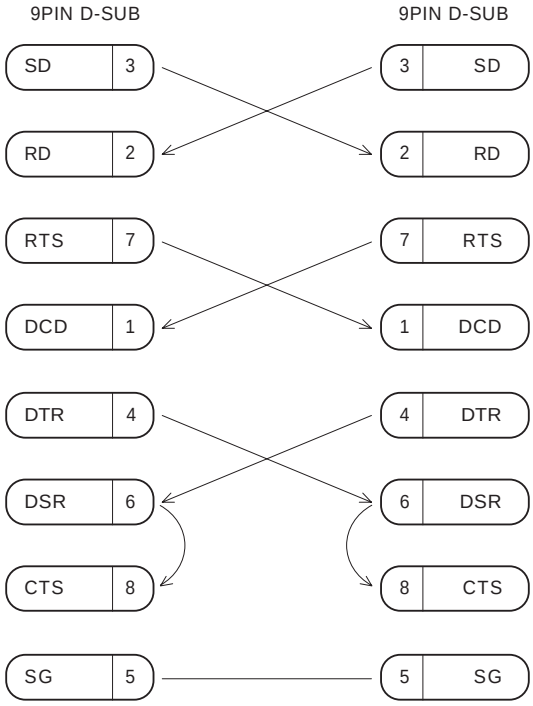
16) Turn on the AC Power.

Master Reset will be performed. If not, power off the XE-A201, wait 1miniute and turn on the power again.

APPENDIX: RS232C CABLE

The RS-232C cable has the following internal connections:

(Equivalent to a cross cable used in the conventional connection of ECR-ECR)



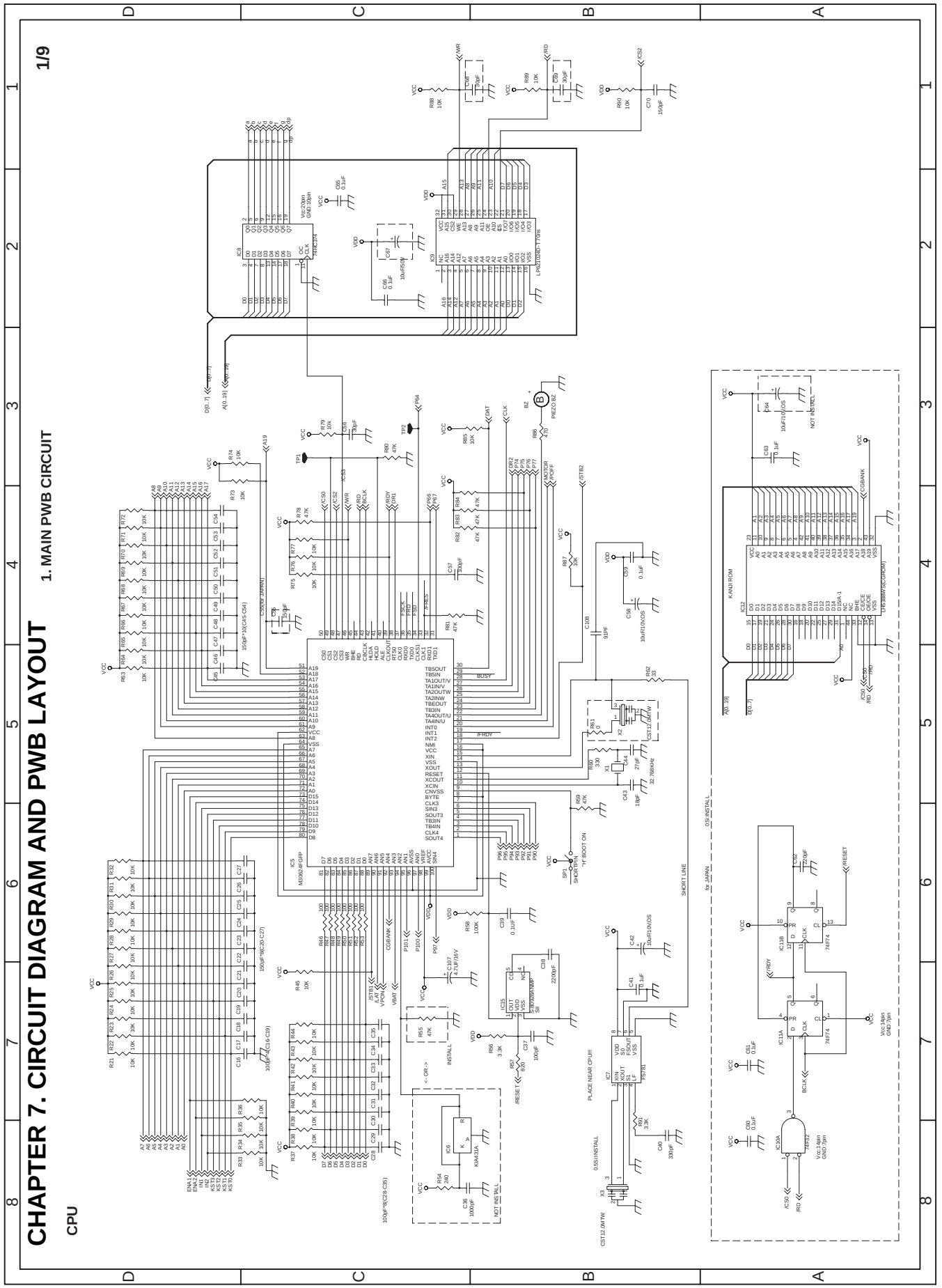
SD : TRANSMITTED DATA
RD : RECEIVED DATA
DTR : DATA TERMINAL READY
DSR : DATA SET READY
RTS : REQUEST TO SEND
DCD : DATA CARRIER DETECTOR
CTS : CLEAR TO SEND

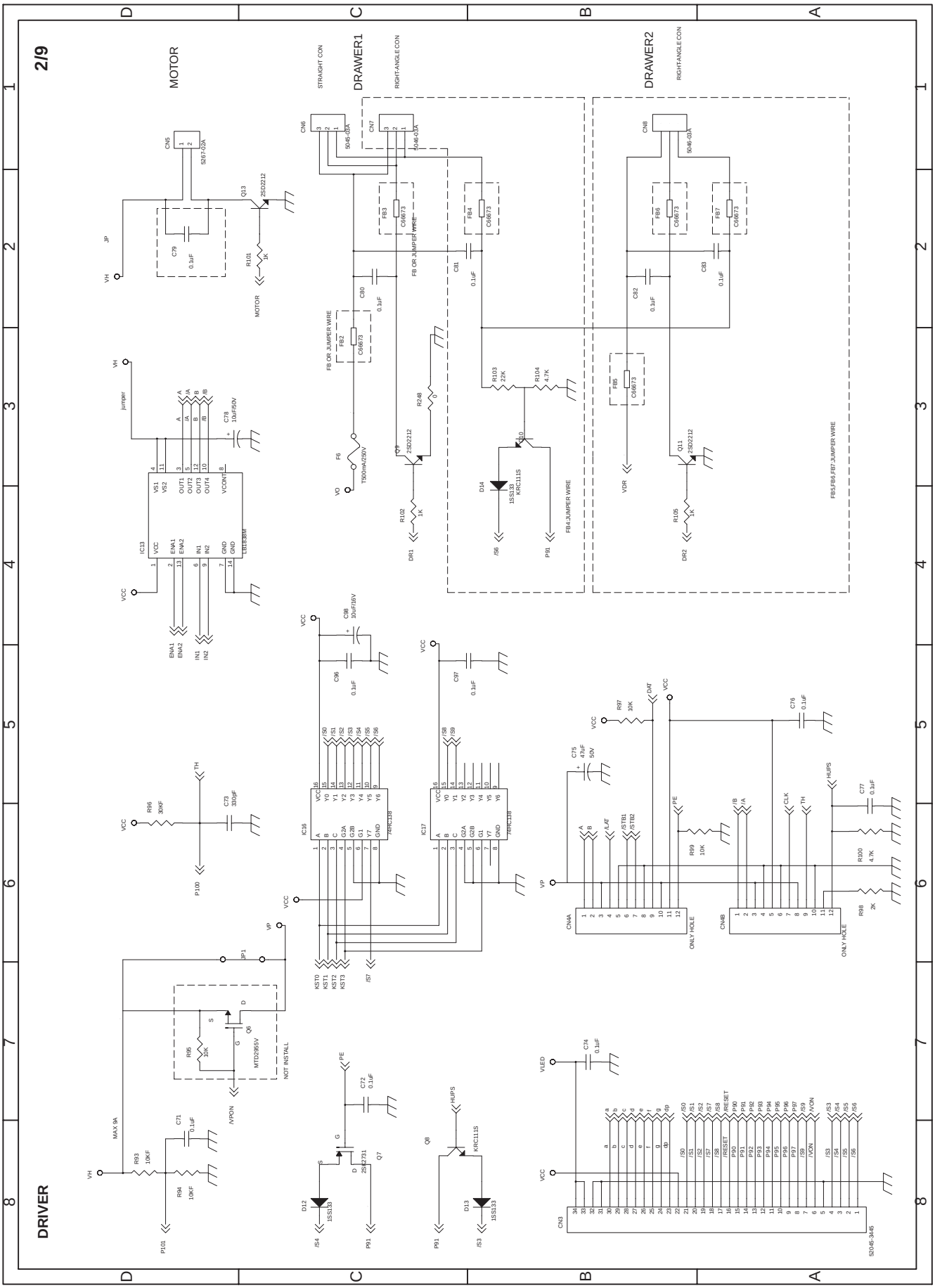
CHAPTER 7. CIRCUIT DIAGRAM AND PWB LAYOUT

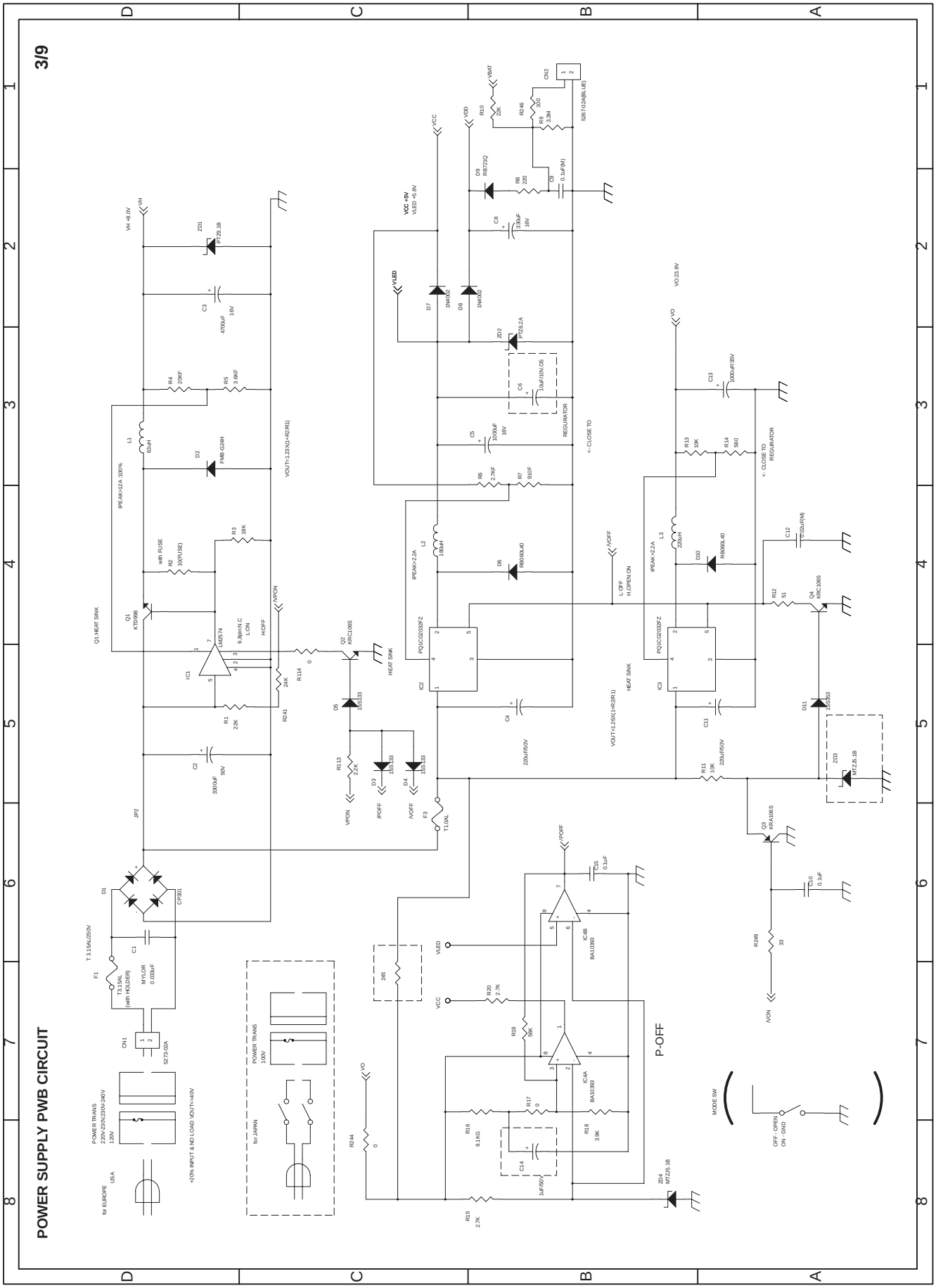
1. MAIN PWB CIRCUIT

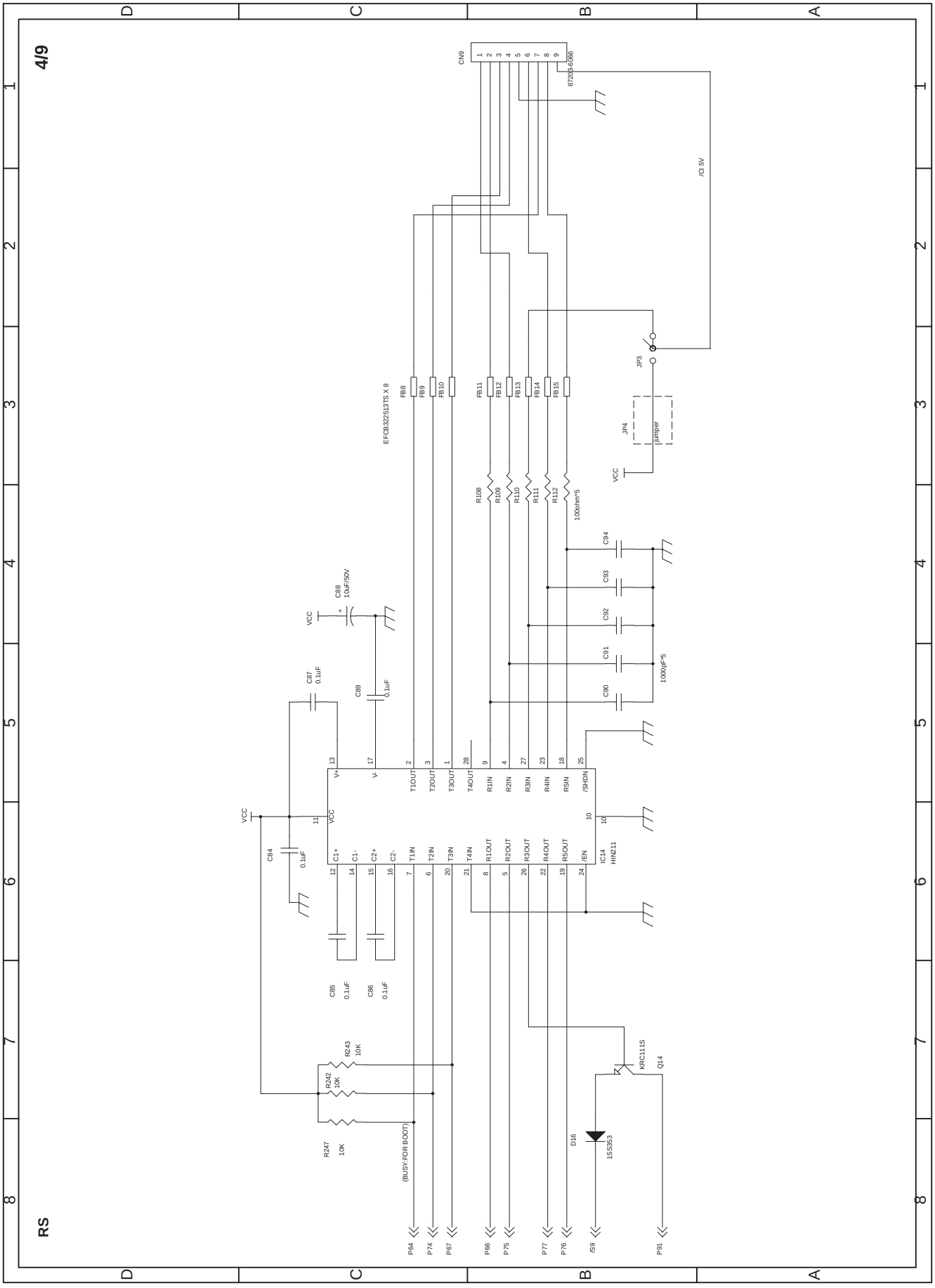
CPU

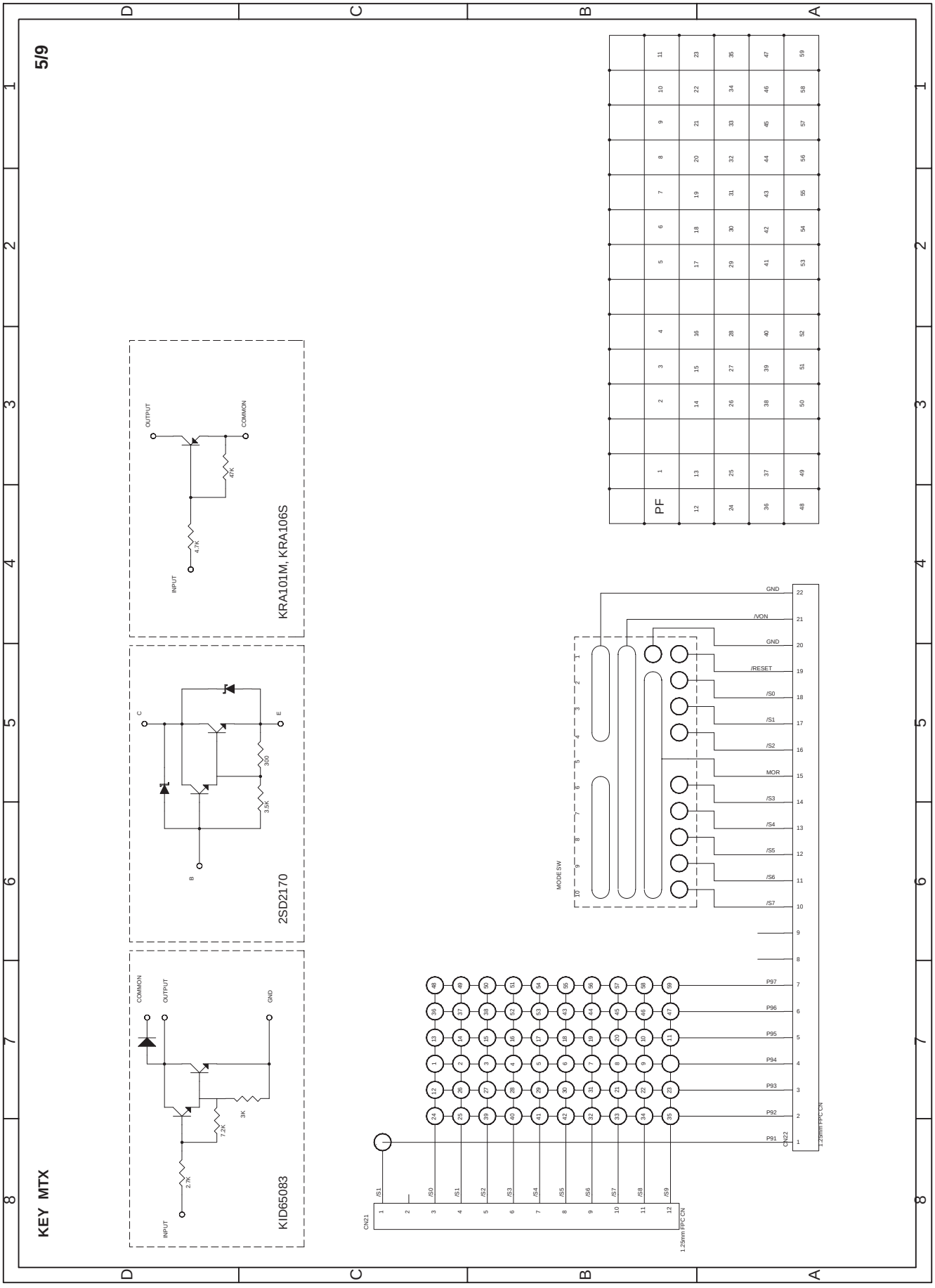
1/9

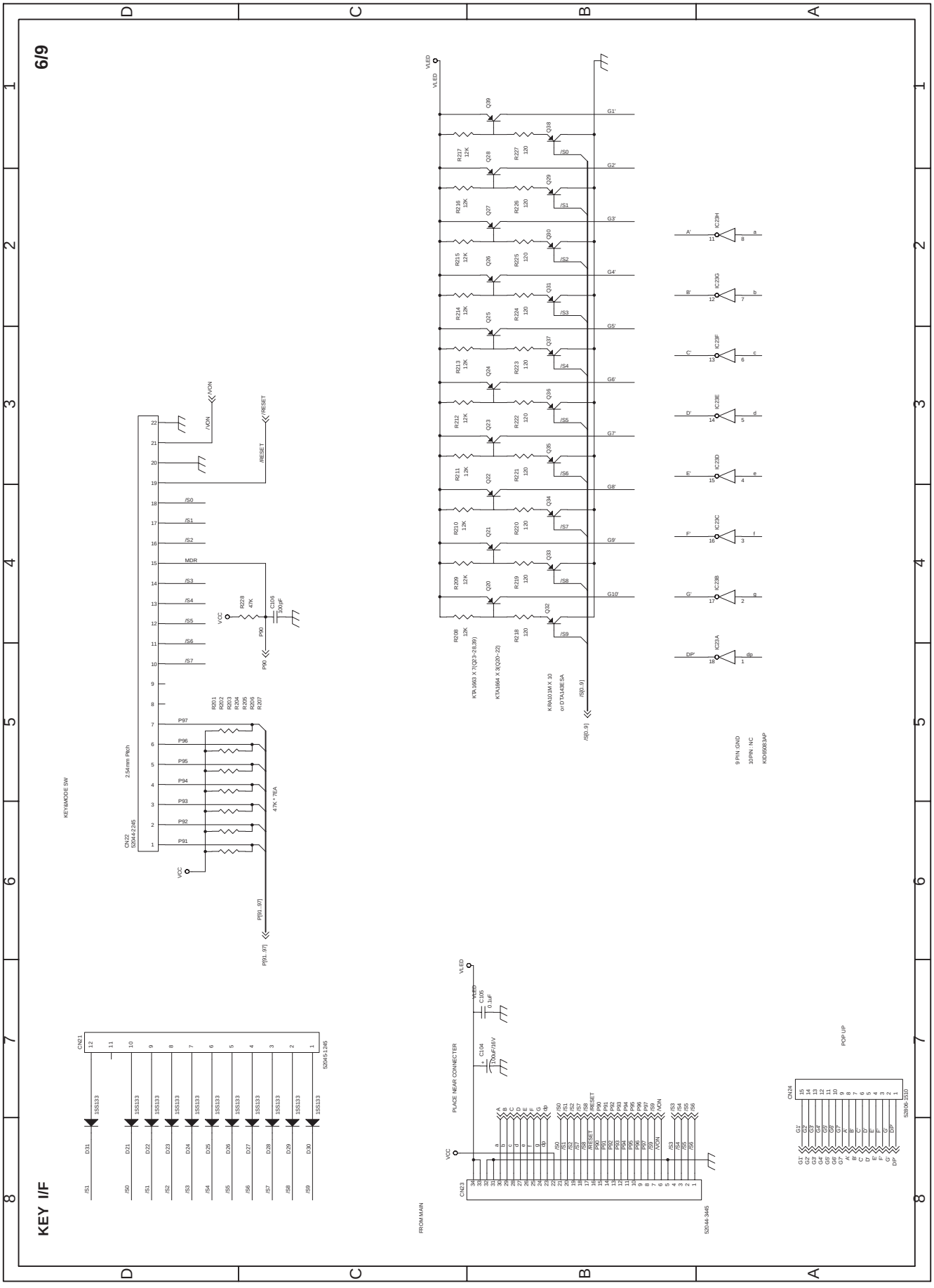


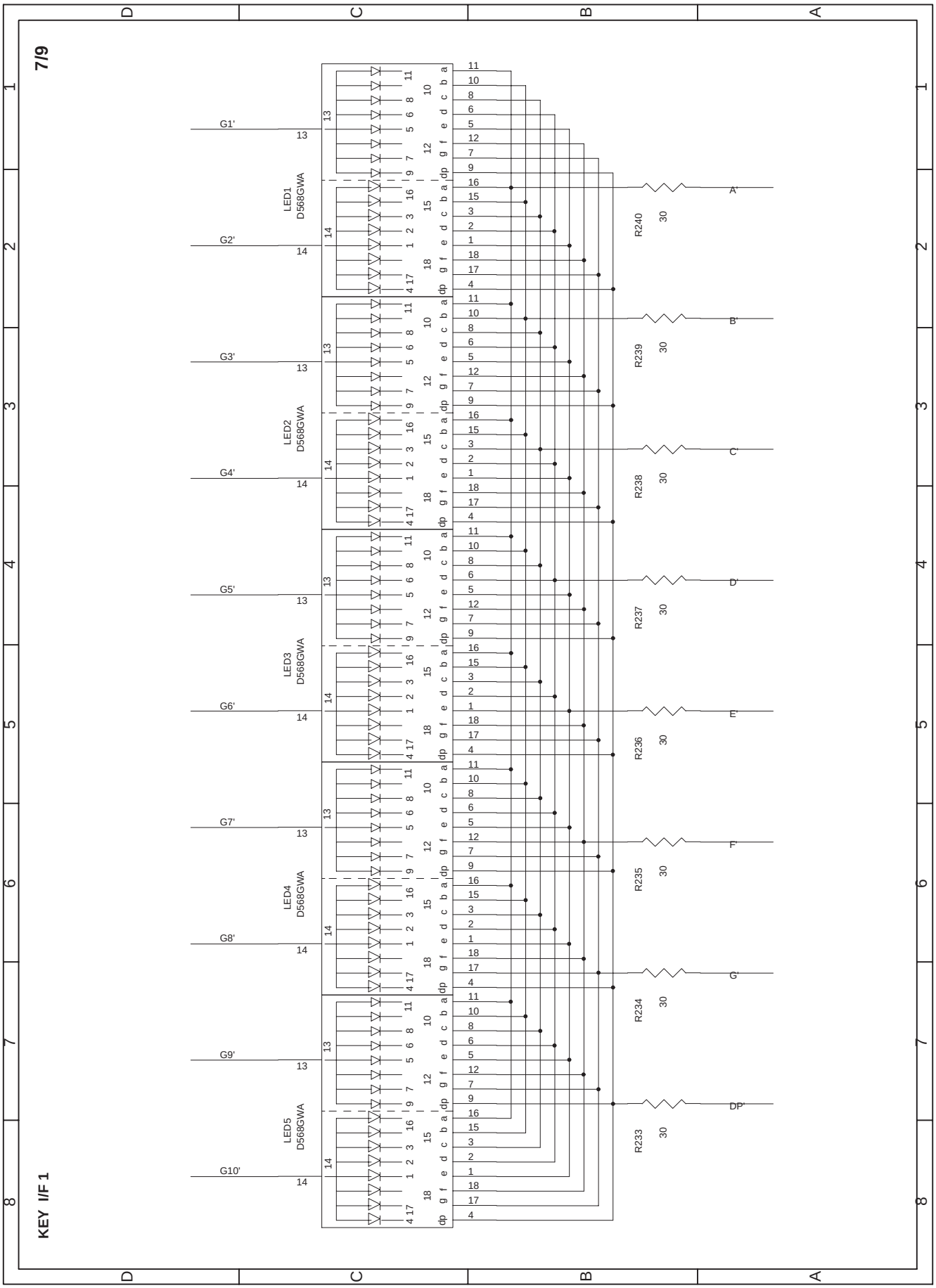

2/9
DRIVER
MOTOR
DRAWER1
DRAWER2
STRAIGHT CON
RIGHT-ANGLE CON
RIGHT-ANGLE CON
FB OR JUMPER WIRE
FB4-JUMPER WIRE
FB5-FB6-FB7-JUMPER WIRE
NOT INSTALL
ONLY HOLE
ONLY HOLE
MAX 9A
jumper
MOTOR
VH
VCC
VP
P100
P101
P91
/S6
/S7
/S4
/S3
/VPON
/VCON
/HUPS
/LED
/RESET
/STB1
/STB2
/LAT
/CLK
/DAT
/PE
/B
/A
KST0
KST1
KST2
KST3
VDR
VO
DR1
DR2
IC13
IC16
IC17
CN3
CN4A
CN4B
CN5
CN6
CN7
CN8
Q7
Q8
Q9
Q10
Q11
Q13
D12
D13
D14
JP
JP1
F6
T500mA/250V
R93 10KF
R94 10KF
R95 10K
R96 30KF
R97 10K
R98 2K
R99 10K
R100 4.7K
R101 1K
R102 1K
R103 22K
R104 4.7K
R105 1K
R248 0
C71 0.1uF
C72 0.1uF
C73 330pF
C74 0.1uF
C75 47uF 50V
C76 0.1uF
C77 0.1uF
C78 10uF/50V
C79 0.1uF
C80 0.1uF
C81 0.1uF
C82 0.1uF
C83 0.1uF
C96 0.1uF
C97 0.1uF
C98 100uF/16V
FB2 C66673
FB3 C66673
FB4 C66673
FB5 C66673
FB6 C66673
FB7 C66673
5267-02A
5045-03A
5045-03A
5045-03A
S2045-3445
1SS133
2SK2731
2SD2212
2SD2212
2SD2212
KRC111S
KRC111S
MTD2955V
TH
LB1838M
74HC138
74HC138

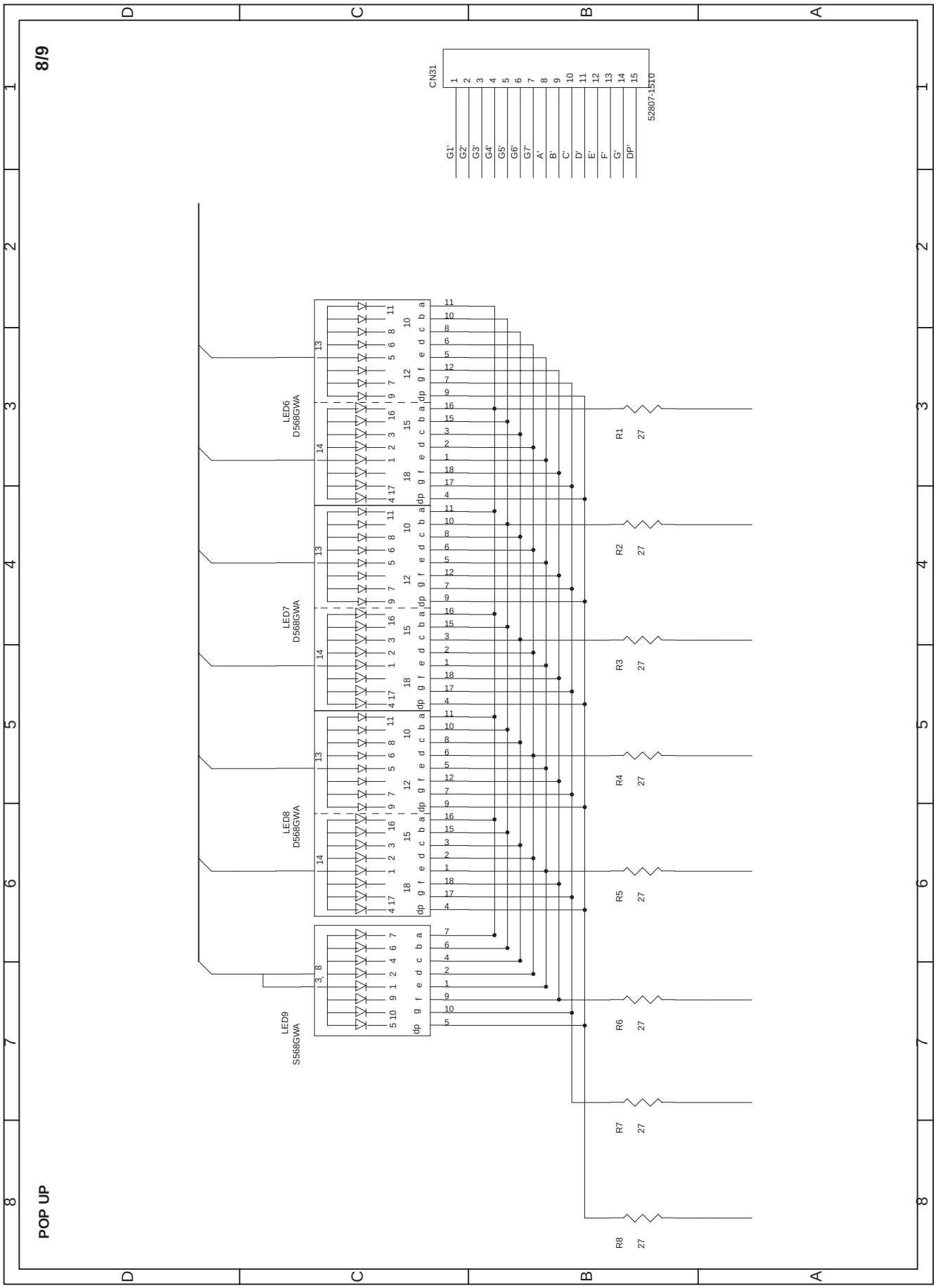

3/9
POWER SUPPLY PWB CIRCUIT
P-OFF
Q1:HEAT SINK
HEAT SINK
with FUSE
10(FUSE)
FMB-G24H
PT39.1B
PT26.2A
1SS133
RB060L40
PQ1CG030FZ
KRC106S
KRA106S
1SS353
MTZ5.1B
1N4002
BA10393
LM358
TL431
MYLOR
0.033uF
T3.15AL/250V
T3.15AL
(with HOLDER)
T 3.15AL/250V
T10AL
5279-02A
5273-03A(BLUE)
POWER TRANS
220V-230V-240V
12V
for EUROPE
for JAPAN
POWER TRANS
120V
MODE SW
OFF - OPEN
ON - GND
L:OFF
H:OPEN:ON
<- CLOSE TO
REGURATOR
VOUT=1.23X(1+R2/R1)
VOUT=1.26X(1+R2/R1)
IPEAK=2.2A
IPEAK=2A
IPEAK=0.12A 100%
+20% INPUT & NO LOAD: VOUT<=40V
VH +8.0V
VCC +5V
VLED +5.8V
VO:23.6V
VPON
/POFF
/VOFF
/VON
VLED
VCC
VO
VBAT
VDD
JP2
CN1
CN2
CP301
D1
D2
D5
D6
D7
D8
D9
D10
D11
ZD1
ZD2
ZD3
ZD4
Q1
Q2
Q3
Q4
IC1
IC2
IC3
IC4A
IC4B
L1
L2
L3
F1
F3
C1
C2
C3
C4
C5
C6
C8
C9
C10
C11
C12
C13
C14
C15
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R24
R241
R245
R246
R249
R113
R114
D3
D4

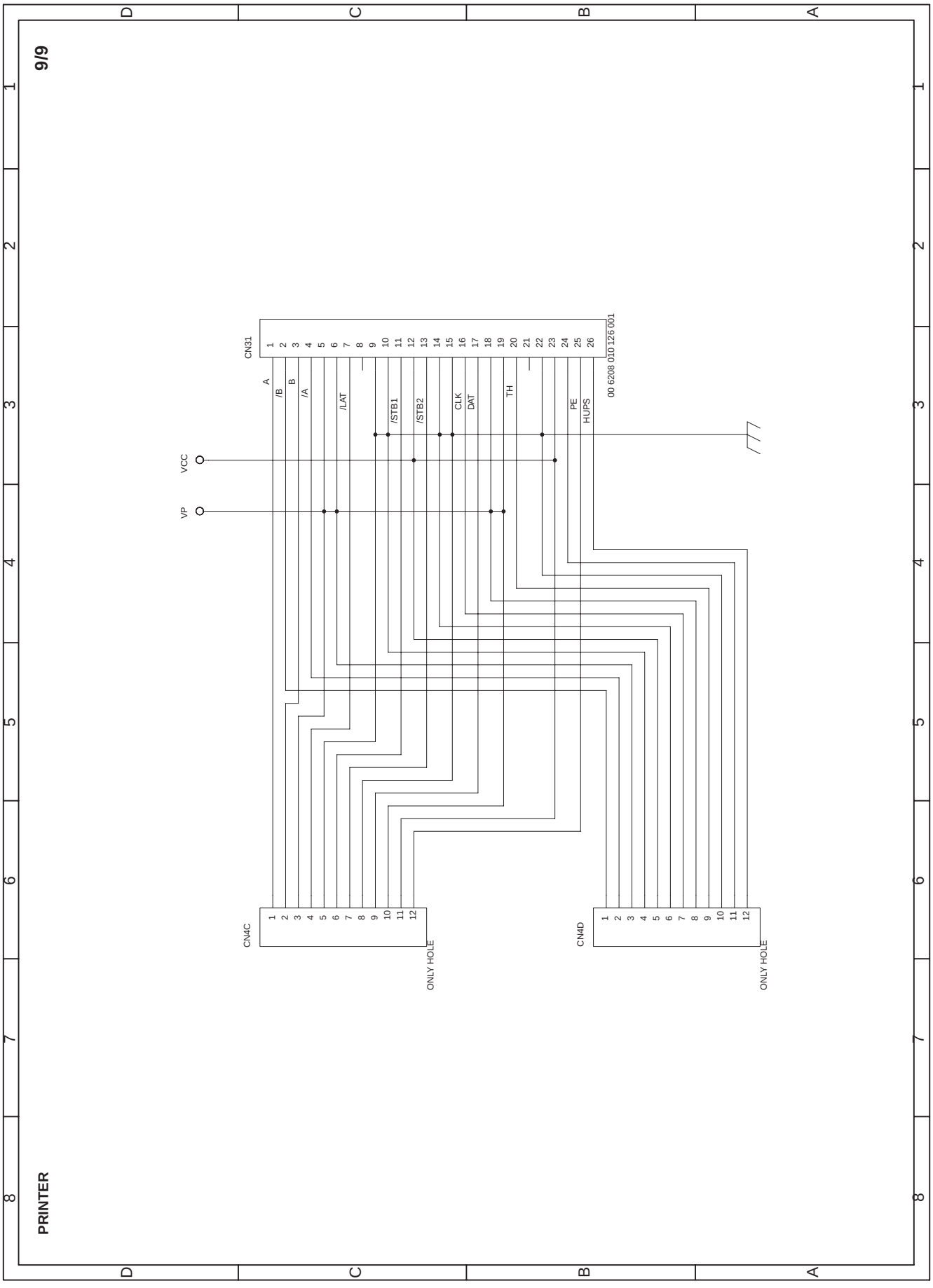

4/9
RS
CN9
87200-6066
/CI 5V
JP3
JP4
jumper
VCC
EFCB3225137S X 8
FB8
FB9
FB10
FB11
FB12
FB13
FB14
FB15
R108
R109
R110
R111
R112
100ohm*5
C94
C93
C92
C91
C90
1000pF*5
C88
10uF/50V
C87
0.1uF
C89
0.1uF
C84
0.1uF
C85
0.1uF
C86
0.1uF
IC14
HIN211
V+
V-
T1OUT
T2OUT
T3OUT
T4OUT
R1IN
R2IN
R3IN
R4IN
R5IN
/SHDN
C1+
C1-
C2+
C2-
T1IN
T2IN
T3IN
T4IN
R1OUT
R2OUT
R3OUT
R4OUT
R5OUT
/EN
R243
10K
R242
10K
R247
10K
(BUSY-FOR BOOT)
KRC111S
Q14
D16
1SS353
P64
P74
P67
P66
P75
P77
P76
/S9
P91


5/9
KEY MTX
KRA101M, KRA106S
OUTPUT
COMMON
INPUT
4K
4.7K
2SD2170
C
E
B
300
3.3K
KID65083
COMMON
OUTPUT
GND
INPUT
3K
7.2K
2.7K
PF
MODE SW
GND
/VON
/RESET
/S0
/S1
/S2
MOR
/S3
/S4
/S5
/S6
/S7
P97
P96
P95
P94
P93
P92
P91
CN22
1.25mm FPC CN
CN21
1.25mm FPC CN


6/9
KEY I/F
KEY&MODE SW
2.54mm Pitch
CN22
52044-2245
47K * 7EA
PLACE NEAR CONNECTER
FROM MAIN
CN23
52044-3445
CN21
52045-1245
CN24
52806-1510
POP UP
9 PIN :GND
10PIN : NC
KXD-6308-3AP
KTA1663 X 7(Q23~28,39)
KTA1664 X 3(Q29~22)
KRA101M X 10
or DTA143ESA
VLED
VCC
VON
RESET
MDR
P90
P91
P92
P93
P94
P95
P96
P97
P[91..97]
/S[0..9]
G1'
G2'
G3'
G4'
G5'
G6'
G7'
G8'
G9'
G10'
DP'
1SS133
C104
10uF/16V
C105
0.1uF
C106
0.01uF
R228
47K


7/9
KEY I/F 1
G1'
G2'
G3'
G4'
G5'
G6'
G7'
G8'
G9'
G10'
LED1 D568GWA
LED2 D568GWA
LED3 D568GWA
LED4 D568GWA
LED5 D568GWA
R240
R239
R238
R237
R236
R235
R234
R233
A'
B'
C'
D'
E'
F'
G'
DP'

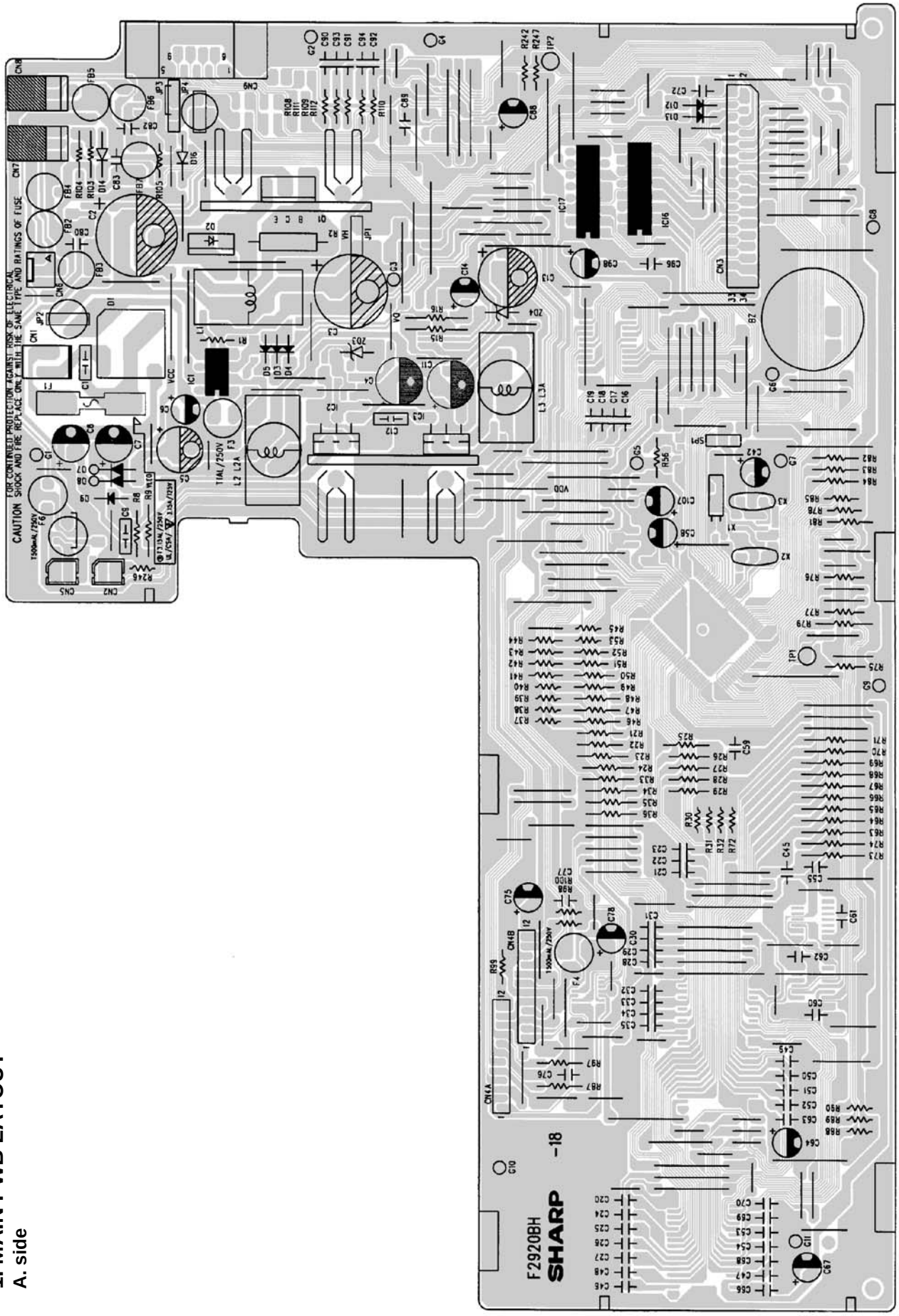

8/9
POP UP
CN31
52807-1510
G1'
G2'
G3'
G4'
G5'
G6'
G7'
A'
B'
C'
D'
E'
F'
G'
DP'
LED6
D568GWA
LED7
D568GWA
LED8
D568GWA
LED9
S568GWA
R1
R2
R3
R4
R5
R6
R7
R8
27


9/9
PRINTER
CN31
00 6208 010 126 001
A
/B
B
/A
/LAT
/STB1
/STB2
CLK
DAT
TH
PE
HUPS
VCC
VP
CN4C
CN4D
ONLY HOLE
ONLY HOLE

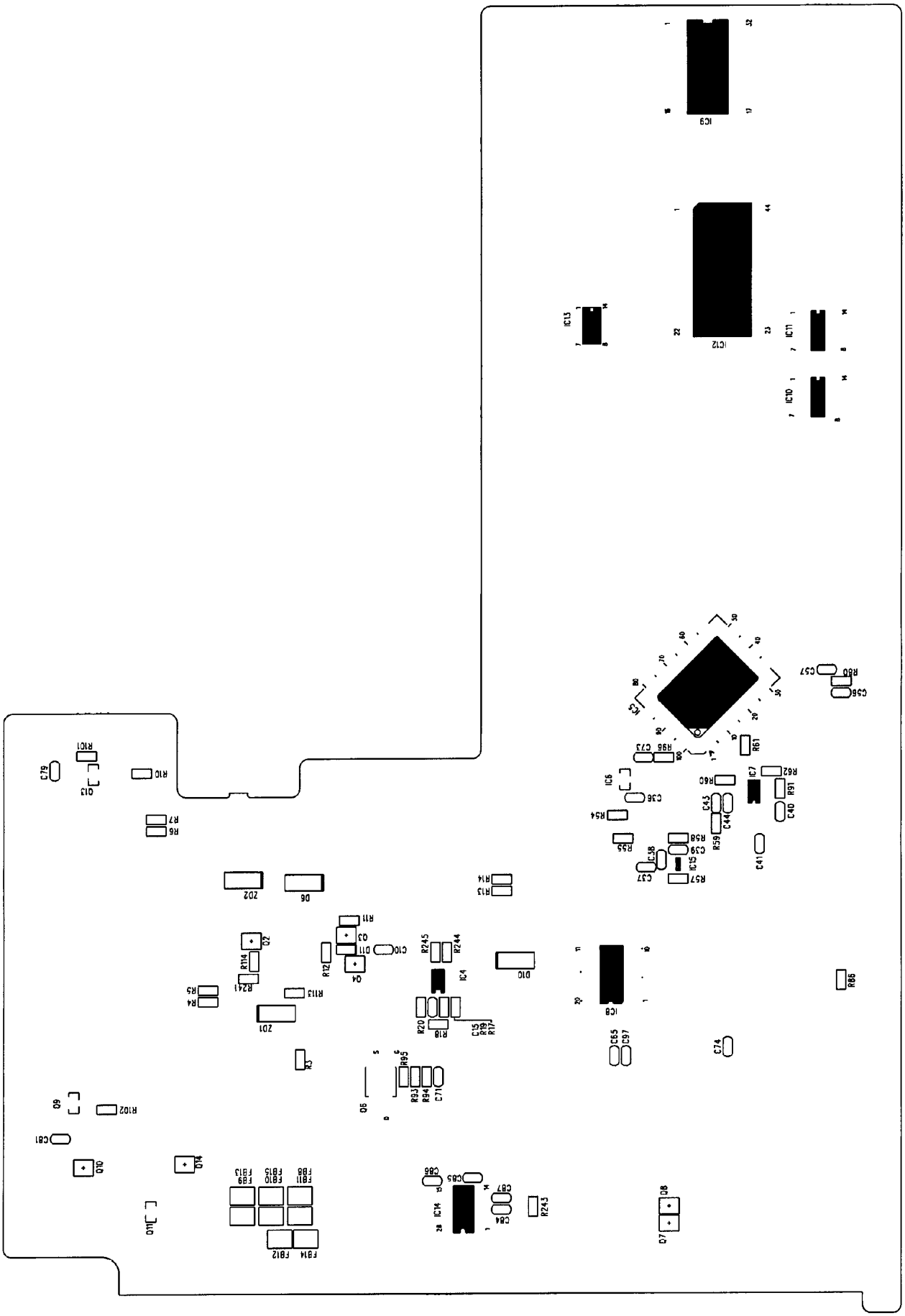
PWB LAYOUT

1. MAIN PWB LAYOUT

A. side

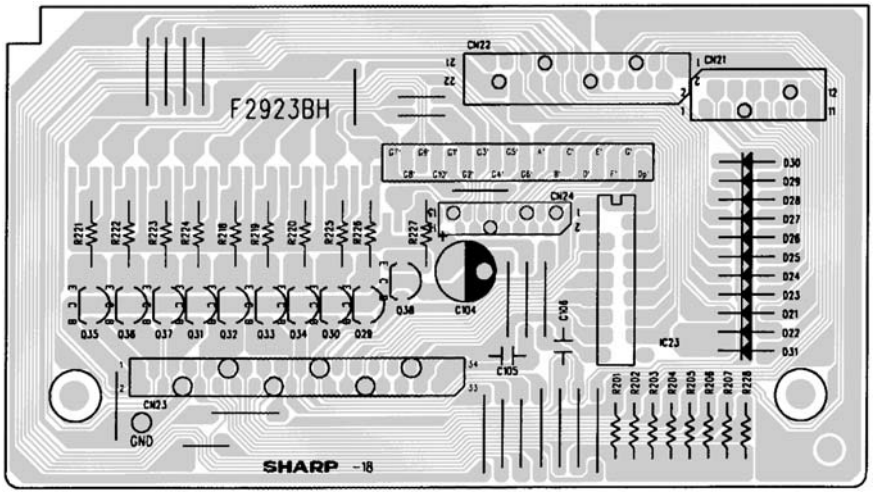

CAUTION FOR CONTINUED PROTECTION AGAINST RISK OF ELECTRICAL SHOCK AND FIRE REPLACE ONLY WITH THE SAME TYPE AND RATINGS OF FUSE
F2920BH
SHARP
-18

B. side

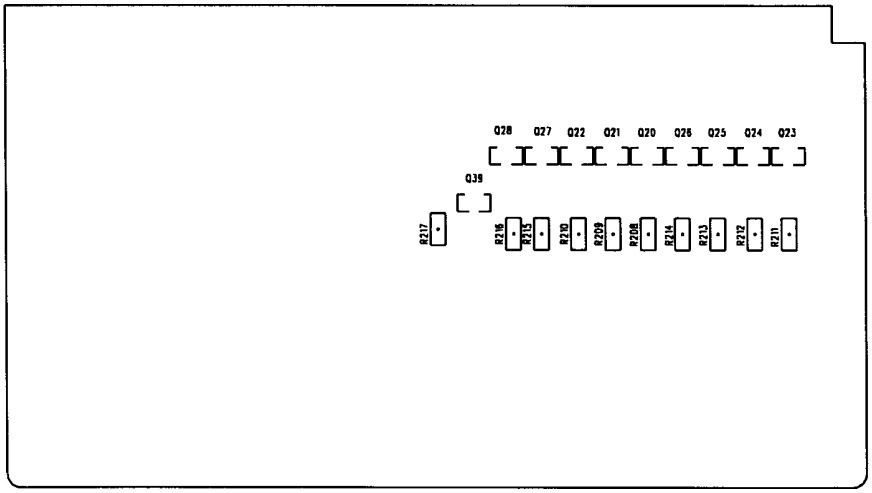


2. KEY INTERFACE PWB LAYOUT

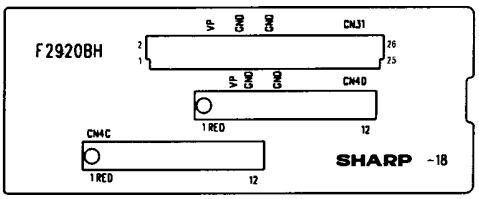
A. side



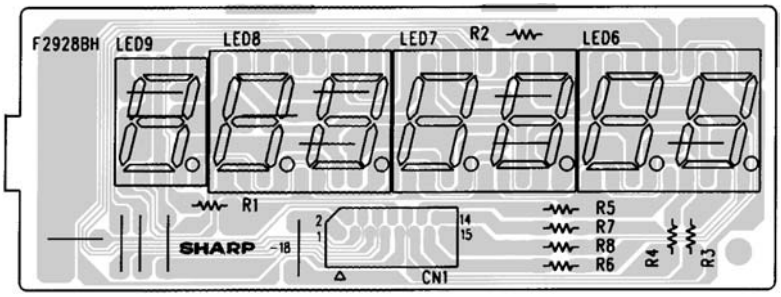
B. side



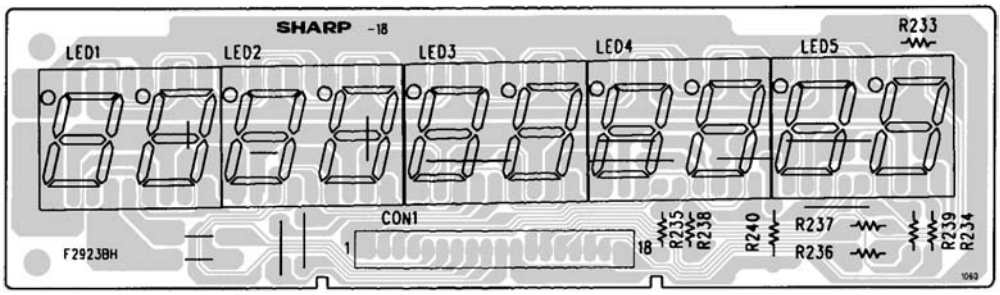
3. PRINTER I/F (for D/M) PWB LAYOUT



4. REAR DISPLAY PWB LAYOUT



5. DISPLAY PWB LAYOUT



SHARP PARTS GUIDE

MODEL XE-A201

PRINTER:M-T51

(for TQ,TS,KA,KB)

CONTENTS

1 Exteriors
2 Keyboard unit
3 Packing material & Accessories
4 Drawer box unit(SK-360 type)
5 Main PWB unit
6 Display PWB unit
7 Pop up PWB unit
8 Articles for consumption
■ Index

Because parts marked with "⚠" are indispensable for the machine safety maintenance and poeration, it must be replaced with the parts specific to the product specification.

Table of destinations

SELECTION CODE	COUNTRIES
U	U.S.A., Guam
A	Canada
TS	Germany
TQ	SEEG territory other than Germany (Stamp:English)
TR	SEEG territory other than Germany (Stamp:English)
TM	SEEG(FRANCE:Metro-VM) (Stamp:French)
KB	U.Kingdom
KA	Australia

SELECTION CODE	COUNTRIES
K	Korea

SELECTION CODE	COUNTRIES
SB	Saudi Arabia (127V area)
SBA	Saudi Arabia (220V area)
SC	Taiwan
SD	Venezuela
SE	Hong Kong
SG	Lebanon, Syria, Greece, Pakistan, Iran, Egypt, Thailand, Iraq, Mauritius, Seychelles, Tahiti, Jordan, Sudan, Turkey
SH	South Africa (U.S.A. version)
SHE	South Africa (Europe version)
SJ	Philippines (Europe version)
SJ2	Philippines (U.S.A. version)
SM	Kuwait, Qatar, Oman, UAE, Malta, Bahrain
SMT	Nigeria, Yemen, Kenya

SELECTION CODE	COUNTRIES
RA1	Morocco, Algeria, Tunisia, West Africa
RA2	Chile, Uruguay, Peru, Argentina, Paraguay
RA5	Sri Lanka

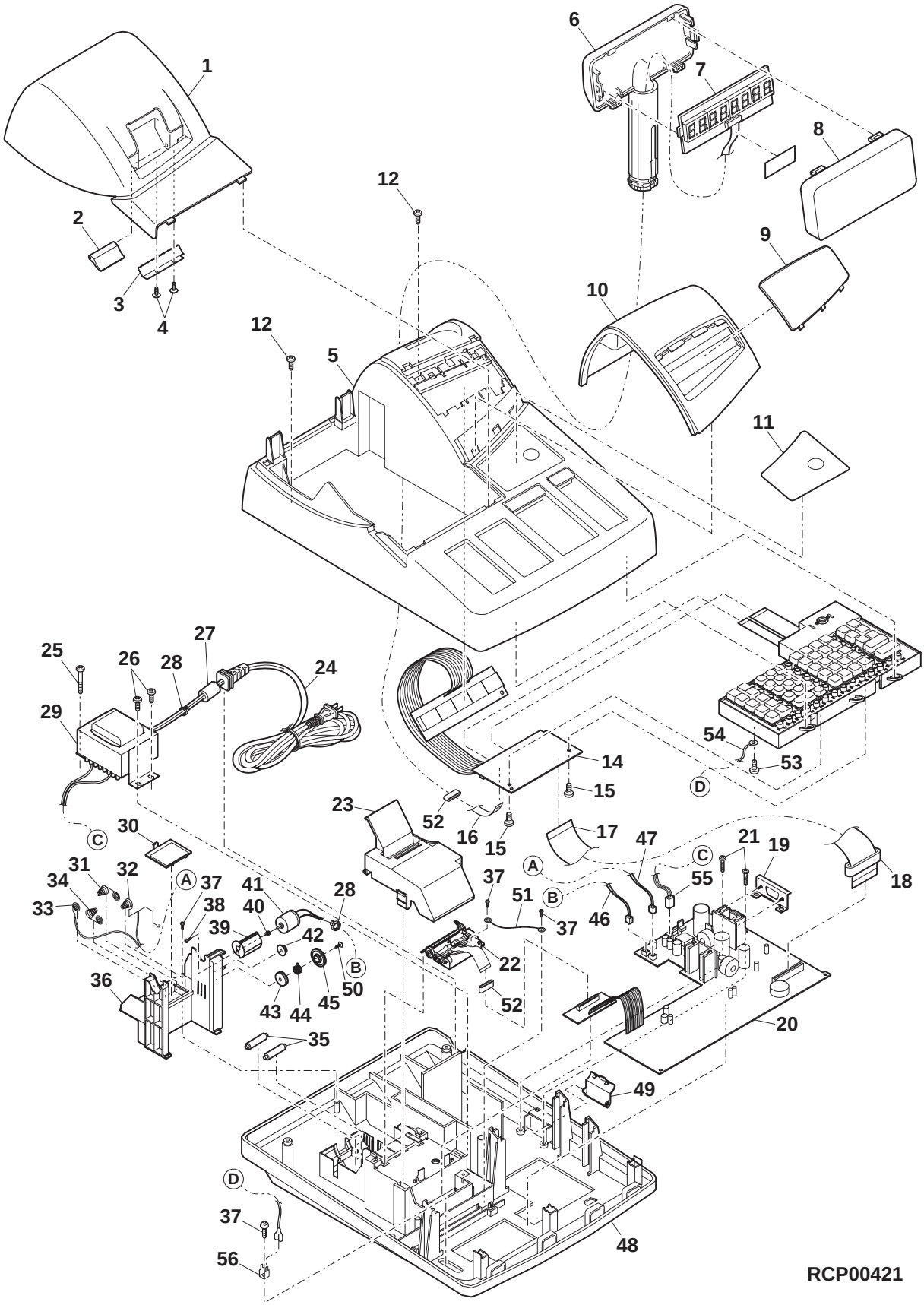
SELECTION CODE	COUNTRIES
RB3	Indonesia
RB4	
RB5	Cyprus
RB6	Panama
RB7	Barbados
RB8	Malaysia (U.S.A. version)

SELECTION CODE	COUNTRIES
RC1	Malaysia (Europe version)
RC2	Singapore
RC5	Dominican Republic, Ecuador

1 Exteriors

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	GCŌVB2527BH01	AX		D	Printer cover unit
2	PGiDH2399BHSA	AH		C	Paper guide
3	PCUT-2326BHZA	AF		C	Paper cutter
4	LX-BZ6788BHZZ	AD		C	Screw
5	CCABB2571BHZZ	BC		D	Top cabinet
6	CCABB7861BHSA	AR		D	Pop up cabinet
7	CPWBF2928BH01	BC		E	Pop up PWB unit
8	PFiLW6961BHSG	AP		D	Pop up filter
9	PFiLW2012BHZZ	AN		D	Display filter
10	GCŌVB2529BHZZ	AS		D	Display cover
11	HDECP2004BHSB	AL	N	D	DECO PANEL
12	XBBSC30P06000	AA		C	Screw (3×6)
14	CPWBF2923BH01	BN		E	Display PWB unit
15	XEBSD30P08000	AA		C	Screw (3×8)
16	QCNW-3186BHZZ	AL		C	Pop up cable
17	QCNW-3042BHZZ	AQ		C	Flat cable (34P)
18	RCŌRF2343BHZZ	AR		C	Core (HFP-49.6-6.5-12)
19	LANGT2849BHZZ	AF		C	RS232C angle
20	CPWBF2920BH02	BZ	N	E	Main PWB unit
21	XHBSD30P18000	AA		C	Screw (3×18)
22	Ki-ŌB2016BHZZ	BU		E	Printer (M-T51)
23	GDAi-2348BHZZ	AL		D	Paper dai
⚠	QACCE3120BHZZ	AV		B	AC cord [TQ,TS]
⚠ 24	QACCL1018BHZZ	AU		B	AC cord [KA]
⚠	QACCB3120QCZZ	AY		B	AC cord [KB]
25	XHBSD40P25000	AB		C	Screw (4×25)
26	XUBSD40P08000	AA		C	Screw (4×8)
27	RCŌRF6695BHZZ	AK		C	Core (OP14A)
28	LBNDJ2003SCZZ	AA		C	Cable band
⚠ 29	RTRNP2431BHZZ	BE	N	B	Power transformer [TQ,TS]
⚠	RTRNP2433BHZZ	BE	N	B	Power transformer [KA,KB]
30	GFTAB6775BHSE	AE		D	Battery cover
31	QTANZ2346BHZA	AF		C	Battery terminal A
32	QTANZ2002BHZZ	AG		C	Battery terminal ⊖
33	QTANZ6657BHZA	AD		C	Battery terminal ⊕
34	QTANZ2347BHZA	AF		C	Battery terminal B
35	NRŌLP6656BHZZ	AF		C	Roller
36	CCASP2337BHZZ	AS		D	Battery case
37	XHBSD30P04000	AA		C	Screw (3×4)
38	XBPSD26P06000	AA		C	Screw (2.6×6)
39	GCŌVH2536BHZZ	AG		D	Motor cover
40	NGERH2006BHZZ	AE		C	Motor gear
41	RMŌTM2321BHZZ	AS		B	Motor
42	NGERH6644BHZZ	AF		C	Idle gear-S
43	NGERH6643BHZZ	AT		C	SP-gear
44	MSPRD6741BHZZ	AF		C	C/spring
45	NGERH2005BHZZ	AG		C	Idle gear L
46	QCNW-3043BHZZ	AE		C	Motor cable
47	QCNW-3195BHZZ	AE		C	Battery cable
48	GCABA2572BHZZ	BC		D	Bottom cabinet
49	GCŌVH2530BHZZ	AE		D	RS232C cover
50	LX-BZ6786BHZZ	AB		C	Screw (M2×5)
51	QCNW-7768BHZZ	AE		C	Earth wire
52	RCŌRF2347BHZZ	AL	N	C	Core (HFP-33)
53	XJPSD30P06000	AA		C	Screw (3×6)
54	QCNW-3202BHZZ	AE		C	GND wire (TOP~BOTTOM)
55	QCNW-3189BHZZ	AK		C	PS cable
56	QTANZ6661BHZZ	AE		C	Faston terminal

1 Exteriors



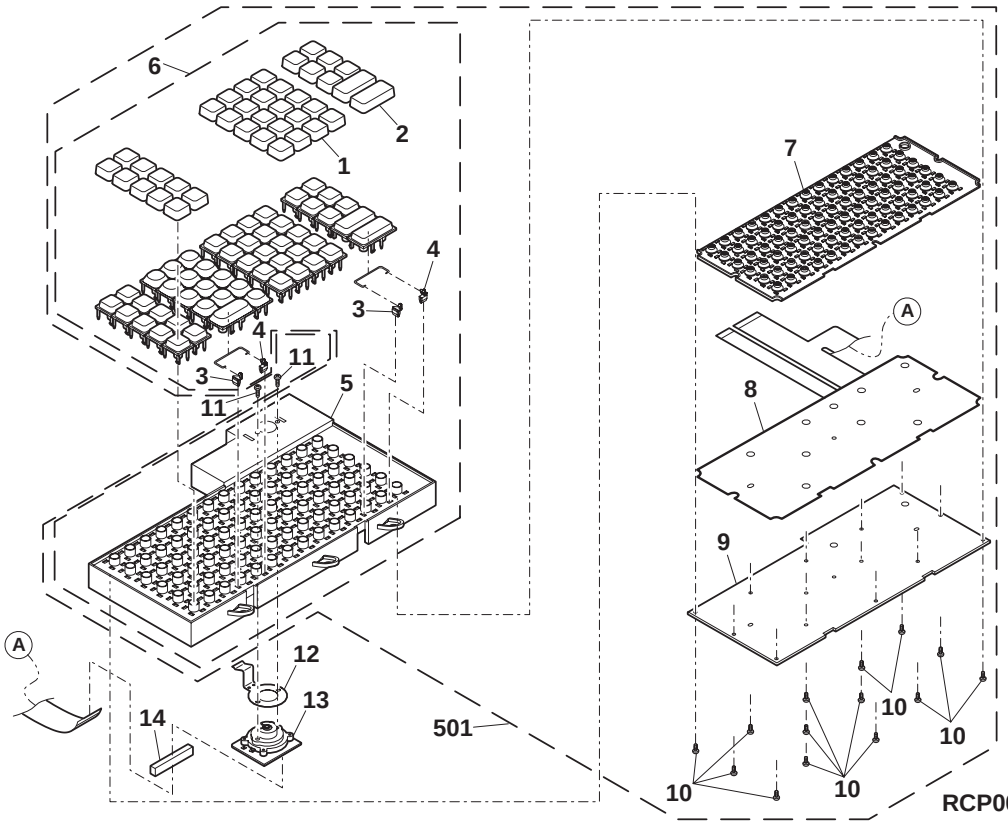
2 Keyboard unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	JKNBZ24248HZZ	AG		C	Key cap (1×1)
2	JKNBZ24258HZZ	AN		C	Key cap (1×2)
3	LHLDZ68378HZZ	AE		C	Holder L (YELLOW)
4	LHLDZ68368HZZ	AE		C	Holder R (WHITE)
5	LFRM-2366BHZZ	BC		D	Key frame
6	CKNBZ2399BH02	BF	N	E	Key top unit (KEY FRAME + KEY TOP)
7	PGUMM2447BHZZ	BA		C	Key rubber
8	CSHEP2943BHZZ	BD		B	Key sheet ass'y
9	LPLTM2368BHZZ	AY		C	Keyboard plate
10	XJPSD30P06000	AA		C	Screw (3×6)
11	XJPSD30P06000	AA		C	Screw (3×6)
12	LANGQ7604BHZZ	AG		C	Mode sw angle
13	LKGiW0001BHZZ	AS		B	Mode switch(Body)
14	QCNCM7136BHZZ	AB		C	Connector (MLX 5229-13APB)
501	Ki-ŌK2019BH01	BL	N	E	Key board unit (include No.1~10)

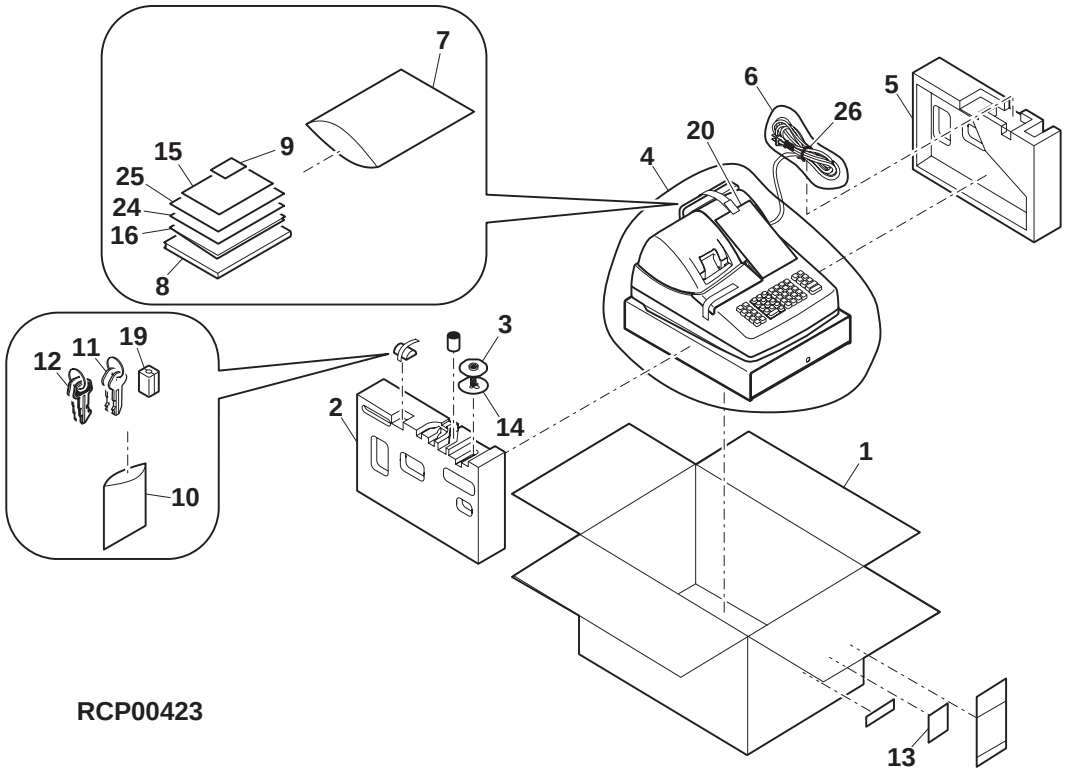
3 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	SPAKC3179BHSB	BA	N	D	Packing case
2	SPAKA3183BHZL	AR	N	D	Packing add L
3	NGERH2004BHZZ	AM		C	Spool
4	PSHEP6681BHZZ	AF		C	Packing sheet
5	SPAKA3183BHZR	AR	N	D	Packing add R
6	SSAKH4231CCZZ	AA		D	Vinyl bag (140×500mm)
7	SSAKH3015CCZZ	AA		D	Vinyl bag (200×300mm)
8	TiNSM2472BHZZ	AR	N	D	Instruction book
9	TCAUZ6681BHZZ	AD		D	Battery caution label
10	SSAKH3012CCZZ	AA		D	Vinyl bag (80×120mm)
11	LKGiM7331BHZZ	AE		B	Lock key (1pc)
12	LKGiM7110BHZZ	AE		B	MA key (MA)
	LKGiM7111BHZZ	AE		B	OP key (OP)
13	TLABR2556BHZZ	AG		D	Bar code label
14	PGiDH2394BHZZ	AK		C	G/Wheel
15	TGANE1001BHSA	AG	N	D	Warranty card [KA]
	TGANE6642BHSB	AG		D	Warranty card [KB]
16	TCADH2414BHZZ	AQ	N	D	Set up guide
19	RCŌRF6699BHZZ	AU		C	Core (BNF28)
20	TCADH2412BHZZ	AD		D	Caution card
24	TCADZ2001BHZA	AM		D	Install card [KA]
25	TiNSN7240BHZZ	AF		D	Battery dispose card [TQ]
26	UBNDA6630BHZZ	AK		C	AC cord band (4mm×200mm)(Green)

2 Keyboard unit



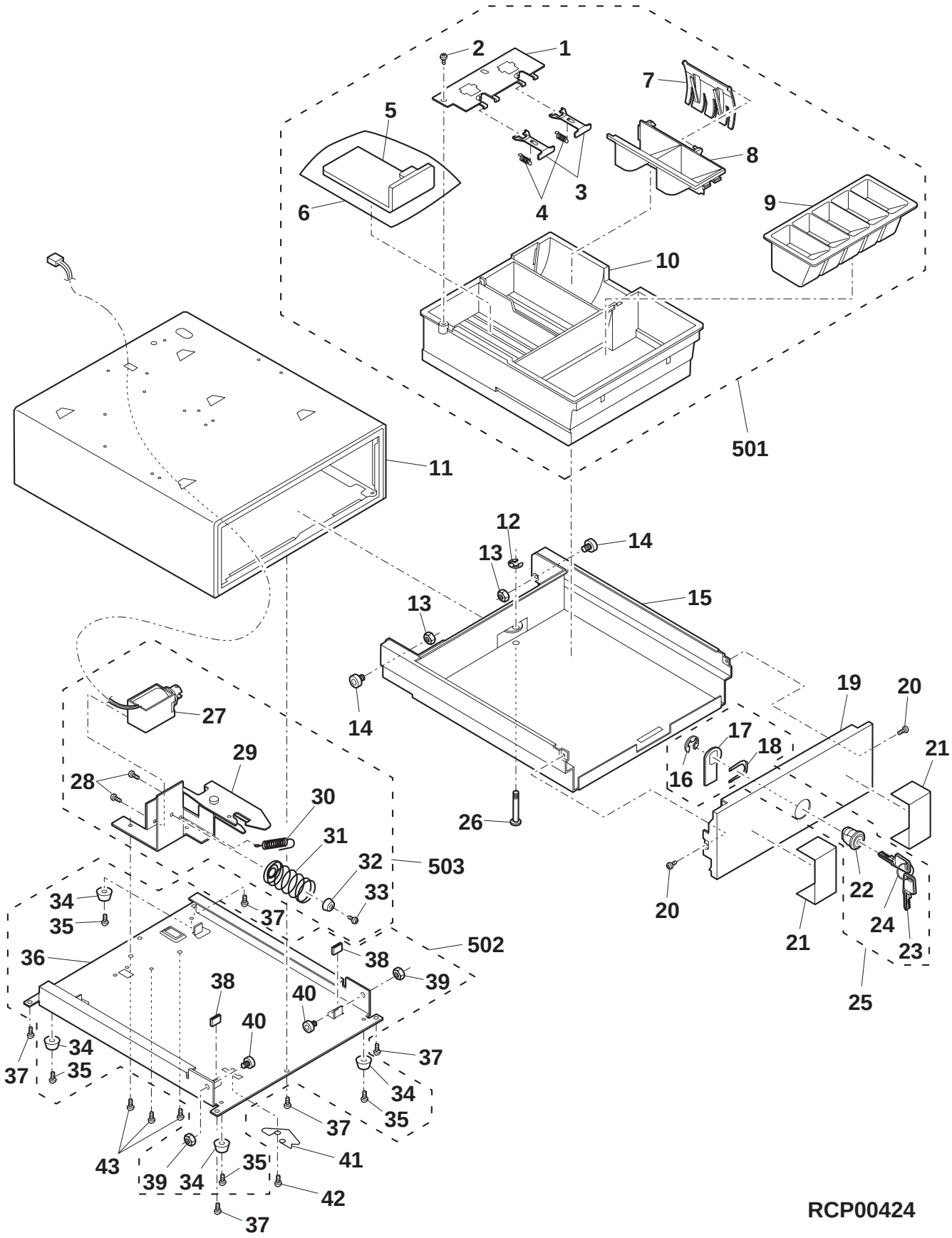
3 Packing material & Accessories



4 Drawer box unit(SK-360 type)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LPLTM2354BHZZ	AS		C	Bracket
2	XUPSD30P08000	AA		C	Screw (3×8)
3	MLEVF6699BHZB	AF		C	Bill lever
4	MSPRT6731BHZZ	AD		C	Bill spring
5	PSKR-6629BHZZ	AL		C	Bill separator
6	SSAKA5004CCZZ	AA		D	Vinyl bag
7	LPLTP2358BHZZ	AK		C	Bill plate
8	GCASP2328BHZZ	AR		D	Sub case V
9	GCASP2327BHZZ	AW		D	Coin case
10	GCASP2326BHZZ	BB		D	Money case
11	CCABM2581BHZZ	BF	N	E	Cabinet unit
12	XRESJ40-06000	AA		C	E type ring (4mm)
13	XNESD60-50000	AA		C	Nut (M6)
14	NRŌLP6657BHZZ	AN		C	Roller
15	CDRW-2317BH02	BF		D	Case frame unit
16	XRESJ50-06000	AA		C	E type ring (5mm)
17	MCAMM6633BHZA	AE		C	Lock cam
18	MSPRK6718BHZZ	AF		C	Lock key spring
19	HPNLC2478BHSA	AT	N	D	Front cover
20	XHSSD30P06000	AA		C	Screw (M3×6)
21	SPAKA8256BHZZ	AC		D	Paper pad
22	LKGiW7330BHZZ	AY		B	Lock key (body)
23	LKGiM7331BHZZ	AE		B	Lock key (1pc)
24	PRNGT6637BHZZ	AA		C	Key ring
25	DUNT-1306BHZA	AX		E	Lock key unit
26	LPiN-2323BHZZ	AE		C	Lock pin
27	CPLU-1002BHZZ	AZ	N	B	Solenoid + Drawer cable
28	LX-BZ6775BHZZ	AA		C	Screw (3×5)
29	CFRM-2359BH02	AS		D	Lock frame unit
30	MSPRT2377BHZZ	AD		C	Open lever spring
31	MSPRC2376BHZZ	AS		C	Push out spring
32	PGUMM6696BHZZ	AE		C	Gum leg
33	XHBSD30P12000	AA		C	Screw (3×12)
34	PGUMM6696BHZZ	AE		C	Gum leg
35	XHBSD40P12000	AA		C	Screw (4×12)
36	LPLTM2353BHZZ	BC		C	Bottom plate
37	LX-BZ6782BHZZ	AA		C	Screw (3×6)
38	PGUMM6695BHZZ	AE		C	Stopper gum
39	XNESD60-50000	AA		C	Nut (M6)
40	NRŌLP6657BHZZ	AN		C	Roller
41	MSPRB2374BHZZ	AF		C	Earth spring
42	XHPSC30P08000	AA		C	Screw (3×8)
43	XBPSD40P06K00	AA		C	Screw (4×6K)
501	CCASP2326BH01	BH		E	Money case unit (3B/7C)
502	CPLTM2353BH01	BF		E	Bottom plate unit
503	CLŌK-6674BHZZ	BC	N	E	Lock unit
504	GDRW-2317BH01	BL	N	E	Drawer case unit (include No.12~14,19,26)
	(Unit)				
901	GBŌXD7160BHZZ	BX	N	E	Drawer box unit

4 Drawer box unit(SK-360 type)



5 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LX-BZ2189BHZZ	AA		C	Screw (HEAT SINK)
2	PRDAF2374BHZA	AM		C	Heat sink [IC2,3]
3	PRDAF2374BHZZ	AM		C	Heat sink [Q1]
4	QCNCM1060AC03	AB		C	Connector (Short Pin 3P) [SP1]
5	QCNCM1101BHZZ	AC		C	Connector (5273-2)(2P) [CN1]
6	QCNCM6865BH0B	AB		C	Connector (5267-02A) [CN5]
7	QCNCM7057BHZZ	AB		C	Connector (5045-3)(3pin) [CN6]
8	QCNCM7125BH0i	AN		C	Connector ((9P) MLX 87023-6066)) [CN9]
9	QCNCM7183BH2F	AR		C	Connector (00-6208-010-126-001) [CN31]
10	QCNCW1057ACZZ	AB		C	Connector (Short socket) [SP1]
11	QCNCW2822BH3D	AK		C	Connector (K/B)(52045-3445) [CN3]
12	QCNCW2909BHZZ	AK		C	K/B Connector (52045-1245) [CN21]
13	QCNCW2910BHZZ	AK		C	K/B Connector (52044-2245) [CN22]
14	QCNCW7081BHZZ	AB		C	Connector (2P)(5267-02A)(Blue) [CN2]
15	QCNCW7201BH1E	AK		C	Connector (15P)(52806-1510) [CN24]
16	QCNW-3156BHZA	AP		C	PR cable [4A~4C]
17	QCNW-3156BHZZ	AN		C	PR I/F cable [4B~4D]
18	QCNW-3192BHZZ	AM		C	DIS.-KEY cable
19	QCNW-7813BHZZ	AF		C	GND wire (MAIN-MAIN) [G5,6,7]
⚠ 20	QFS-E0001QCZZ	AF		A	Fuse (SEMKO T3.15A/250V) [F1]
21	QFSHD2109AFZZ	AC		C	Fuse holder (HD2109AF) [F1]
⚠ 22	QFS-K2007BHZZ	AF		A	Fuse (LT-5,T500mA/250V) [F6]
⚠ 23	QFS-K2315BHZZ	AF		A	Fuse (LT5 T1.0AL/250V) [F3]
24	RALMB5006SCZZ	AD		B	Buzzer (EFB-RD22C01) [BZ]
25	RC-EZ0012QCZZ	AK		C	AL.Capacitor (1000µF/35V) SD) [C13]
26	RC-EZ1060QCZZ	AH		C	FX.Capacitor (10µF/10V) [C58]
27	RCiLC2422BHZZ	AP		C	Coil (220µH) [L3]
28	RCiLC2427BHZZ	AF		C	Coil (180µH) [L2]
29	RCiLC2428BHZZ	AG		C	Coil (63µH) [L1]
30	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1µF) [C59,66,72,76,77,80]
	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1µF) [C89,96]
31	RCORF7002BHZZ	AE		C	Chip core (EFCB322513TS) [FB8~15]
32	RCRSP6676RCZZ	AG		B	X-TAL (32.768KHz) [X1]
33	RCRSZ2400RCZZ	AH		B	X-TAL (12MHz) [X2]
34	VHi30624FGA-1	BN		B	CPU (M30624FGFP) [IC5]
35	VCCCTV1HH101J	AA		C	Capacitor (50WV 100PF) [C37,57]
36	VCCCTV1HH180J	AA		C	Capacitor (50WV 18pF) [C43]
37	VCCCTV1HH270J	AC		C	Capacitor (50WV 27pF) [C44]
38	VCCCTV1HH300J	AA		C	Capacitor (50WV 30PF) [C56]
39	VCCCTV1HH331J	AA		C	Capacitor (50WV 330PF) [C73,C40]
40	VCEAGA1CW106M	AA		C	Capacitor (16WV 10µF) [C98]
41	VCEAGA1CW107M	AC		C	Capacitor (100µF/16V) [C104]
42	VCEAGA1CW337M	AB		C	Capacitor (16WV 330µF) [C8]
43	VCEAGA1HW106M	AA		C	Capacitor (50WV 10µF) [C78,88]
44	VCEAGA1HW227M	AC		C	Capacitor (50WV 220uF) [C4,11]
45	VCEAGU1HW338M	AT		C	Capacitor (50WV 3300µF)(VCEAGA1HW338M) [C2]
46	VCEAGA1HW475M	AA		C	Capacitor (50WV 4.7µF) [C107]
47	VCEAGA1HW476M	AB		C	Capacitor (50WV 47µF) [C75]
48	VCEAGD1CW108M	AE		C	Capacitor (16WV 1000µF) [C5]
49	VCEAGD1CW478M	AP		C	Capacitor (4700µF/16V) [C3]
50	VCKYPU1HB101K	AA		C	Capacitor (50WV 100PF)(VCKYPA1HB101K) [C16~19,C28~35]
51	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000pF)(VCKYPA1HB102K) [C90~94]
52	VCKYPU1HB151K	AA		C	Capacitor (50WV 150pF)(VCKYPA1HB151K) [C20~27,C45~54,70]
53	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200pF) [C38]
54	VCKYTV1HF104Z	AA		C	Capacitor (50WV 0.10µF) [C15,39,65,71,74,84~87,97,41,101]
55	VCQYKU1HM223K	AB		C	Capacitor (50WV 22000pF)(VCQYKA1HM223K) [C12]
56	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033µF) [C1]
57	VCQYNU1HM104K	AB		C	Capacitor (50WV 0.10µF) [C9]
58	VHD1N4002G//-1	AA		B	Diode (1N4002G) [D7,8]
59	VHD1SS353//-1	AB		B	Diode (1SS353) [D11]
60	VHDCP301///-1	AL		B	Diode (CP301) [D1]
61	VHDDSS133HV-1	AA		B	Diode (DSS133HV) [D3,4,5,12,13,16]
62	VHDFMB-G24H/1	AH		B	Diode (FMG-G24H) [D2]
63	VHDRB060L//-1	AK		B	Diode (RB060L40) [D6,10]
64	VHDRB721Q//-1	AE		B	Diode (RE721Q) [D9]
65	VHEMTZJ5R1B-1	AB		B	Zener diode (MTZJ5.1B) [ZD4]
66	VHEPTZ6.2A/-1	AH		B	Zener diode (PTZ6.2A) [ZD2]
67	VHEPTZ9.1B+-1	AG		B	Zener diode (PTZ9.1B) [ZD1]
68	VHi2574NADJ-1	AW		B	IC (ON SEMI)(LM2574-ADJ) [IC1]
69	VHi621024M7-1	AZ		B	SRAM (LP621024DM) [IC9]
70	VHiBA10393F-1	AC		B	IC (BA10393F) [IC4]
71	VHiHiN211CA-1	AN		B	IC (HIN211CA) [IC14]
72	VHiKiD65083AP	AM		B	IC (KID65083AP) [IC23]
73	VHiLB1838M+-1	AT		B	PRINTER DRIVER IC (LB1838M) [IC13]
74	VHiPQ1CG2032F	AL		B	IC (PQ1CG2032FZ) [IC2,3]
75	VHiS80928ANMP	AF		B	IC(Detector) (S-80928ANMP) [IC15]
76	VHiSN74HC138N	AL		B	IC (74HC138) [IC16,17]
77	VHiSN74HC374D	AL		B	IC (SN74HC374D) [IC8]
78	VHPD5680GL2-1	AQ		B	LED (2 SEGMENT)(D568GWA) [LED1~5]
79	VRD-RC2EY101J	AA		C	Resistor (1/4W 100Ω ±5%) [R46~53,108~112,246]

5 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
80	VRD-RC2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%) [R21~45,R63~77,79,85,87~90,97,99,242,247]
81	VRD-RC2EY121J	AA		C	Resistor (1/4W 120Ω ±5%) [R218~227]
82	VRD-RC2EY202J	AA		C	Resistor (1/4W 2.0KΩ ±5%) [R98]
83	VRD-RC2EY221J	AA		C	Resistor (1/4W 22Ω ±5%) [R8]
84	VRD-RC2EY223J	AA		C	Resistor (1/4W 22KΩ ±5%) [R1]
85	VRD-RC2EY272J	AA		C	Resistor (1/4W 2.7KΩ ±5%) [R15]
86	VRD-RC2EY300J	AA		C	Resistor (1/4W 30Ω ±5%) [R233~240]
87	VRD-RC2EY332J	AA		C	Resistor (1/4W 3.3KΩ ±5%) [R56]
88	VRD-RC2EY335J	AA		C	Resistor (1/4W 3.3MΩ ±5%) [R9]
89	VRD-RC2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%) [R100]
90	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%) [R78,81~84]
91	VRD-RC2EY912G	AA		C	Resistor (1/4W 9.1KΩ ±2%) [R16]
92	VRG-ST2EJ100J	AC		B	Fuse resistor (1/4W 10Ω ±5%) [R2]
93	VRS-CY1JD000J	AA		C	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type) [R17,61,114,244]
94	VRS-CY1JD102J	AA		C	Resistor (1/16W 1.0KΩ ±5%) [R101,102]
95	VRS-CY1JD103F	AB		C	Resistor (1/16W 10KΩ ±1%) [R93,94]
96	VRS-CY1JD103J	AA		C	Resistor (1/16W 10KΩ ±5%) [R11,13,243]
97	VRS-CY1JD104J	AA		C	Resistor (1/16W 100KΩ ±5%) [R58]
98	VRS-CY1JD123J	AA		C	Resistor (1/16W 12KΩ ±5%) [R208~217]
99	VRS-CY1JD203F	AB		C	Resistor (1/16W 20KΩ ±1%) [R4]
100	VRS-CY1JD222J	AA		C	Resistor (1/16W 2.2KΩ ±5%) [R113]
101	VRS-CY1JD223J	AA		C	Resistor (1/16W 22KΩ ±5%) [R10]
102	VRS-CY1JD272J	AA		C	Resistor (1/16W 2.7KΩ ±5%) [R20]
103	VRS-CY1JD331J	AA		C	Resistor (1/16W 330Ω ±5%) [R60]
104	VRS-CY1JD362F	AA		C	Resistor (1/16W 3.6KΩ ±1%) [R5]
105	VRS-CY1JD471J	AA		C	Resistor (1/16W 470Ω ±5%) [R86]
106	VRS-CY1JD473J	AA		C	Resistor (1/16W 47KΩ ±5%) [R55,80]
107	VRS-CY1JD563J	AA		C	Resistor (1/16W 56KΩ ±5%) [R19]
108	VRS-CY1JD821J	AA		C	Resistor (1/16W 820Ω ±5%) [R57]
109	VRS-CY2AY243F	AA		C	Resistor (1/10W 24KΩ ±1%) [R241]
110	VRS-CY2AY272F	AA		C	Resistor (1/10W 2.7KΩ ±1% 1608) [R6]
111	VRS-CY2AY303F	AA		C	Resistor (1/10W 30KΩ ±1% 1608) [R96]
112	VRS-CY2AY392J	AA		C	Resistor (1/10W 3.9KΩ ±5% 1608) [R18]
113	VRS-CY2AY473F	AA		C	Resistor (1/10W 47KΩ ±1% 1608) [R59]
114	VRS-CY2AY510J	AA		C	Resistor (1/10W 51Ω ±5%) [R12]
115	VRS-CY2AY561J	AA		C	Resistor (1/10W 560Ω ±5% 1608) [R14]
116	VRS-CY2AY911F	AA		C	Resistor (1/10W 910Ω ±1% 1608) [R7]
117	VS2SD2212++-1	AG		B	Chip transistor (2SD2212) [Q9,13]
118	VS2SK2731//-1	AD		B	Chip FET (2SK2731) [Q7]
119	VSKRA101M//-1	AD		B	Transistor (KRA101M) [Q29~38]
120	VSKRA106S//-1	AF		B	Transistor (KRA106S) [Q3]
121	VSKRC106S//-1	AD		B	Transistor (KRC106S) [Q2,4]
122	VSKRC111S//-1	AD		B	Transistor (KRC111S) [Q8,14]
123	VSKTA1663//-1	AE		B	Transistor (KTA1663) [Q23~28,39]
124	VSKTA1664//-1	AD		B	Transistor (KTA1664) [Q20~22]
125	VSKTD998///-1	AS		B	Transistor (2SD998) [Q1]
126	XBPSD30P06000	AA		C	Screw (3×6) [IC2,IC3,Q1]
130	VRS-CY1JD332J	AA		C	Resistor (1/16W 3.3KΩ ±5%) [R91]
131	VHiFS781BZB-1	AP		B	IC (FS781BZB) [IC7]
132	VCCCPA1HH910J		N	C	CE. capacitor (50WV 91PF) [C108]
133	VRD-RC2EY330J	AA		C	Resistor (1/4W 33Ω ±5%) [R249]
	(Unit)				
901	CPWBF2920BH02	BZ	N	E	Main PWB unit

6 Display PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW2823BH3D	AK		C	Connector (52044-3445) [CN23]
2	QCNCW2909BHZZ	AK		C	K/B connector (52045-1245) [CN21]
3	QCNCW2910BHZZ	AK		C	K/B connector (52044-2245) [CN22]
4	QCNCW7201BH1E	AK		C	Connector (15P)(52806-1510) [CN24]
5	QCNW-3192BHZZ	AM		C	DIS.-KEY cable
6	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1μF) [C105]
7	VCEAGA1CW107M	AC		C	Capacitor (100μF/16V) [C104]
8	VCKYPU1HB101K	AA		C	Capacitor (50WV 100PF)(VCKYPA1HB101K) [C106]
9	VHDDSS133HV-1	AA		B	Diode (DSS133HV) [D21~D31]
10	VHiKiD65083AP	AM		B	IC (KID65083AP) [IC23]
11	VHPD5680GL2-1	AQ		B	LED (2 SEGMENT)(D568GWA) [LED1~LED5]
12	VRD-RC2EY121J	AA		C	Resistor (1/4W 120Ω ±5%) [R218~R227]
13	VRD-RC2EY300J	AA		C	Resistor (1/4W 30Ω ±5%) [R233~R240]
14	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%) [R201~R207,R228]
15	VRS-CY1JD123J	AA		C	Resistor (1/16W 12KΩ ±5%) [R208~R217]
16	VSKRA101M//-1	AD		B	Transistor (KRA101M) [Q29~Q38]
17	VSKTA1663//-1	AE		B	Transistor (KTA1663) [Q23~Q28,Q39]
18	VSKTA1664//-1	AD		B	Transistor (KTA1664) [Q20~Q22]
	(Unit)				

6 Display PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
901	CPWBF2923BH01	BN		E	Display PWB unit

7 Pop up PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW7202BH1E	AK		C	Connector (52807-1510) [CN1]
2	VHPD5680GL2-1	AQ		B	LED (2 SEGMENT)(D568GWA) [LED6~8]
3	VHPS5680GL2-1	AP		B	LED (1 SEGMENT)(S568GWA) [LED9]
4	VRD-RC2EY270J	AA		C	Resistor (1/4W 27Ω ±5%) [R1~7]
	(Unit)				
901	CPWBF2928BH01	BC		E	Pop up PWB unit

8 Articles for consumption

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	TPAPR6656RC05	BA		S	Thermal roll paper (5 Rolls/pack)

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
【C】					
CCABB2571BHZZ	1- 5	BC		D	
CCABB7861BHSA	1- 6	AR		D	
CCABM2581BHZZ	4- 11	BF	N	E	
CCASP2326BH01	4-501	BH		E	
CCASP2337BHZZ	1- 36	AS		D	
CDRW-2317BH02	4- 15	BF		D	
CFRM-2359BH02	4- 29	AS		D	
CKNBZ2399BH02	2- 6	BF	N	E	
CLŌK-6674BHZZ	4-503	BC	N	E	
CPLTM2353BH01	4-502	BF		E	
CPLU-1002BHZZ	4- 27	AZ	N	B	
CPWBF2920BH02	1- 20	BZ	N	E	
〃	5-901	BZ	N	E	
CPWBF2923BH01	1- 14	BN		E	
〃	6-901	BN		E	
CPWBF2928BH01	1- 7	BC		E	
〃	7-901	BC		E	
CSHEP2943BHZZ	2- 8	BD		B	
【D】					
DUNT-1306BHZA	4- 25	AX		E	
【G】					
GBŌXD7160BHZZ	4-901	BX	N	E	
GCABA2572BHZZ	1- 48	BC		D	
GCASP2326BHZZ	4- 10	BB		D	
GCASP2327BHZZ	4- 9	AW		D	
GCASP2328BHZZ	4- 8	AR		D	
GCŌVB2527BH01	1- 1	AX		D	
GCŌVB2529BHZZ	1- 10	AS		D	
GCŌVH2530BHZZ	1- 49	AE		D	
GCŌVH2536BHZZ	1- 39	AG		D	
GDAi-2348BHZZ	1- 23	AL		D	
GDRW-2317BH01	4-504	BL	N	E	
GFTAB6775BHSE	1- 30	AE		D	
【H】					
HDECP2004BHSB	1- 11	AL	N	D	
HPNLC2478BHSA	4- 19	AT	N	D	
【J】					
JKNBZ2424BHZZ	2- 1	AG		C	
JKNBZ2425BHZZ	2- 2	AN		C	
【K】					
Ki-ŌB2016BHZZ	1- 22	BU		E	
Ki-ŌK2019BH01	2-501	BL	N	E	
【L】					
LANGQ7604BHZZ	2- 12	AG		C	
LANGT2849BHZZ	1- 19	AF		C	
LBNDJ2003SCZZ	1- 28	AA		C	
LFRM-2366BHZZ	2- 5	BC		D	
LHLDZ6836BHZZ	2- 4	AE		C	
LHLDZ6837BHZZ	2- 3	AE		C	
LKGiM7110BHZZ	3- 12	AE		B	
LKGiM7111BHZZ	3- 12	AE		B	
LKGiM7331BHZZ	3- 11	AE		B	
〃	4- 23	AE		B	
LKGiW0001BHZZ	2- 13	AS		B	
LKGiW7330BHZZ	4- 22	AY		B	
LPiN-2323BHZZ	4- 26	AE		C	
LPLTM2353BHZZ	4- 36	BC		C	
LPLTM2354BHZZ	4- 1	AS		C	
LPLTM2368BHZZ	2- 9	AY		C	
LPLTP2358BHZZ	4- 7	AK		C	
LX-BZ2189BHZZ	5- 1	AA		C	
LX-BZ6775BHZZ	4- 28	AA		C	
LX-BZ6782BHZZ	4- 37	AA		C	
LX-BZ6786BHZZ	1- 50	AB		C	
LX-BZ6788BHZZ	1- 4	AD		C	
【M】					
MCAMM6633BHZA	4- 17	AE		C	
MLEVF6699BHZB	4- 3	AF		C	
MSPRB2374BHZZ	4- 41	AF		C	
MSPRC2376BHZZ	4- 31	AS		C	
MSPRD6741BHZZ	1- 44	AF		C	
MSPRK6718BHZZ	4- 18	AF		C	
MSPRT2377BHZZ	4- 30	AD		C	
MSPRT6731BHZZ	4- 4	AD		C	
【N】					
NGERH2004BHZZ	3- 3	AM		C	
NGERH2005BHZZ	1- 45	AG		C	
NGERH2006BHZZ	1- 40	AE		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
NGERH6643BHZZ	1- 43	AT		C	
NGERH6644BHZZ	1- 42	AF		C	
NRŌLP6656BHZZ	1- 35	AF		C	
NRŌLP6657BHZZ	4- 14	AN		C	
〃	4- 40	AN		C	
【P】					
PCUT-2326BHZA	1- 3	AF		C	
PFiLW2012BHZZ	1- 9	AN		D	
PFiLW6961BHSG	1- 8	AP		D	
PGiDH2394BHZZ	3- 14	AK		C	
PGiDH2399BHSA	1- 2	AH		C	
PGUMM2447BHZZ	2- 7	BA		C	
PGUMM6695BHZZ	4- 38	AE		C	
PGUMM6696BHZZ	4- 32	AE		C	
〃	4- 34	AE		C	
PRDAF2374BHZA	5- 2	AM		C	
PRDAF2374BHZZ	5- 3	AM		C	
PRNGT6637BHZZ	4- 24	AA		C	
PSHEP6681BHZZ	3- 4	AF		C	
PSKR-6629BHZZ	4- 5	AL		C	
【Q】					
QACCB3120QCZZ	1- 24	AY		B	
QACCE3120BHZZ	1- 24	AV		B	
QACCL1018BHZZ	1- 24	AU		B	
QCNCM1060AC03	5- 4	AB		C	
QCNCM1101BHZZ	5- 5	AC		C	
QCNCM6865BH0B	5- 6	AB		C	
QCNCM7057BHZZ	5- 7	AB		C	
QCNCM7125BH0i	5- 8	AN		C	
QCNCM7136BHZZ	2- 14	AB		C	
QCNCM7183BH2F	5- 9	AR		C	
QCNCW1057ACZZ	5- 10	AB		C	
QCNCW2822BH3D	5- 11	AK		C	
QCNCW2823BH3D	6- 1	AK		C	
QCNCW2909BHZZ	5- 12	AK		C	
〃	6- 2	AK		C	
QCNCW2910BHZZ	5- 13	AK		C	
〃	6- 3	AK		C	
QCNCW7081BHZZ	5- 14	AB		C	
QCNCW7201BH1E	5- 15	AK		C	
〃	6- 4	AK		C	
QCNCW7202BH1E	7- 1	AK		C	
QCNW-3042BHZZ	1- 17	AQ		C	
QCNW-3043BHZZ	1- 46	AE		C	
QCNW-3156BHZA	5- 16	AP		C	
QCNW-3156BHZZ	5- 17	AN		C	
QCNW-3186BHZZ	1- 16	AL		C	
QCNW-3189BHZZ	1- 55	AK		C	
QCNW-3192BHZZ	5- 18	AM		C	
〃	6- 5	AM		C	
QCNW-3195BHZZ	1- 47	AE		C	
QCNW-3202BHZZ	1- 54	AE		C	
QCNW-7768BHZZ	1- 51	AE		C	
QCNW-7813BHZZ	5- 19	AF		C	
QFS-E0001QCZZ	5- 20	AF		A	
QFSHD2109AFZZ	5- 21	AC		C	
QFS-K2007BHZZ	5- 22	AF		A	
QFS-K2315BHZZ	5- 23	AF		A	
QTANZ2002BHZZ	1- 32	AG		C	
QTANZ2346BHZA	1- 31	AF		C	
QTANZ2347BHZA	1- 34	AF		C	
QTANZ6657BHZA	1- 33	AD		C	
QTANZ6661BHZZ	1- 56	AE		C	
【R】					
RALMB5006SCZZ	5- 24	AD		B	
RC-EZ0012QCZZ	5- 25	AK		C	
RC-EZ1060QCZZ	5- 26	AH		C	
RCiLC2422BHZZ	5- 27	AP		C	
RCiLC2427BHZZ	5- 28	AF		C	
RCiLC2428BHZZ	5- 29	AG		C	
RC-KZ1054CCZZ	5- 30	AB		C	
〃	6- 6	AB		C	
RCŌRF2343BHZZ	1- 18	AR		C	
RCŌRF2347BHZZ	1- 52	AL	N	C	
RCŌRF6695BHZZ	1- 27	AK		C	
RCŌRF6699BHZZ	3- 19	AU		C	
RCŌRF7002BHZZ	5- 31	AE		C	
RCRSP6676RCZZ	5- 32	AG		B	
RCRSZ2400RCZZ	5- 33	AH		B	
RMŌTM2321BHZZ	1- 41	AS		B	
RTRNP2431BHZZ	1- 29	BE	N	B	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
RTRNP2433BHZZ	1- 29	BE	N	B	
【S】					
SPAKA3183BHZL	3- 2	AR	N	D	
SPAKA3183BHZR	3- 5	AR	N	D	
SPAKA8256BHZZ	4- 21	AC		D	
SPAKC3179BHSB	3- 1	BA	N	D	
SSAKA5004CCZZ	4- 6	AA		D	
SSAKH3012CCZZ	3- 10	AA		D	
SSAKH3015CCZZ	3- 7	AA		D	
SSAKH4231CCZZ	3- 6	AA		D	
【T】					
TCADH2412BHZZ	3- 20	AD		D	
TCADH2414BHZZ	3- 16	AQ	N	D	
TCADZ2001BHZA	3- 24	AM		D	
TCAUZ6681BHZZ	3- 9	AD		D	
TGANE1001BHSA	3- 15	AG	N	D	
TGANE6642BHSB	3- 15	AG		D	
TiNSM2472BHZZ	3- 8	AR	N	D	
TiNSN7240BHZZ	3- 25	AF		D	
TLABR2556BHZZ	3- 13	AG		D	
TPAPR6656RC05	8- 1	BA		S	
【U】					
UBNDA6630BHZZ	3- 26	AK		C	
【V】					
VCCCPA1HH910J	5-132		N	C	
VCCCTV1HH101J	5- 35	AA		C	
VCCCTV1HH180J	5- 36	AA		C	
VCCCTV1HH270J	5- 37	AC		C	
VCCCTV1HH300J	5- 38	AA		C	
VCCCTV1HH331J	5- 39	AA		C	
VCEAGA1CW106M	5- 40	AA		C	
VCEAGA1CW107M	5- 41	AC		C	
〃	6- 7	AC		C	
VCEAGA1CW337M	5- 42	AB		C	
VCEAGA1HW106M	5- 43	AA		C	
VCEAGA1HW227M	5- 44	AC		C	
VCEAGA1HW475M	5- 46	AA		C	
VCEAGA1HW476M	5- 47	AB		C	
VCEAGD1CW108M	5- 48	AE		C	
VCEAGD1CW478M	5- 49	AP		C	
VCEAGU1HW338M	5- 45	AT		C	
VCKYPU1HB101K	5- 50	AA		C	
〃	6- 8	AA		C	
VCKYPU1HB102K	5- 51	AA		C	
VCKYPU1HB151K	5- 52	AA		C	
VCKYTV1HB222K	5- 53	AA		C	
VCKYTV1HF104Z	5- 54	AA		C	
VCQYKU1HM223K	5- 55	AB		C	
VCQYNA1HM333K	5- 56	AA		C	
VCQYNU1HM104K	5- 57	AB		C	
VHD1N4002G/-1	5- 58	AA		B	
VHD1SS353//-1	5- 59	AB		B	
VHDCP301///-1	5- 60	AL		B	
VHDDSS133HV-1	5- 61	AA		B	
〃	6- 9	AA		B	
VHDFMB-G24H/1	5- 62	AH		B	
VHDRB060L//-1	5- 63	AK		B	
VHDRB721Q//-1	5- 64	AE		B	
VHEMTZJ5R1B-1	5- 65	AB		B	
VHEPTZ6.2A/-1	5- 66	AH		B	
VHEPTZ9.1B+-1	5- 67	AG		B	
VHi2574NADJ-1	5- 68	AW		B	
VHi30624FGA-1	5- 34	BN		B	
VHi621024M7-1	5- 69	AZ		B	
VHiBA10393F-1	5- 70	AC		B	
VHiFS781BZB-1	5-131	AP		B	
VHiHiN211CA-1	5- 71	AN		B	
VHiKiD65083AP	5- 72	AM		B	
〃	6- 10	AM		B	
VHiLB1838M+-1	5- 73	AT		B	
VHiPQ1CG2032F	5- 74	AL		B	
VHiS80928ANMP	5- 75	AF		B	
VHiSN74HC138N	5- 76	AL		B	
VHiSN74HC374D	5- 77	AL		B	
VHPD5680GL2-1	5- 78	AQ		B	
〃	6- 11	AQ		B	
〃	7- 2	AQ		B	
VHPS5680GL2-1	7- 3	AP		B	
VRD-RC2EY101J	5- 79	AA		C	
VRD-RC2EY103J	5- 80	AA		C	
VRD-RC2EY121J	5- 81	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VRD-RC2EY121J	6- 12	AA		C	
VRD-RC2EY202J	5- 82	AA		C	
VRD-RC2EY221J	5- 83	AA		C	
VRD-RC2EY223J	5- 84	AA		C	
VRD-RC2EY270J	7- 4	AA		C	
VRD-RC2EY272J	5- 85	AA		C	
VRD-RC2EY300J	5- 86	AA		C	
〃	6- 13	AA		C	
VRD-RC2EY330J	5-133	AA		C	
VRD-RC2EY332J	5- 87	AA		C	
VRD-RC2EY335J	5- 88	AA		C	
VRD-RC2EY472J	5- 89	AA		C	
VRD-RC2EY473J	5- 90	AA		C	
〃	6- 14	AA		C	
VRD-RC2EY912G	5- 91	AA		C	
VRG-ST2EJ100J	5- 92	AC		B	
VRS-CY1JD000J	5- 93	AA		C	
VRS-CY1JD102J	5- 94	AA		C	
VRS-CY1JD103F	5- 95	AB		C	
VRS-CY1JD103J	5- 96	AA		C	
VRS-CY1JD104J	5- 97	AA		C	
VRS-CY1JD123J	5- 98	AA		C	
〃	6- 15	AA		C	
VRS-CY1JD203F	5- 99	AB		C	
VRS-CY1JD222J	5-100	AA		C	
VRS-CY1JD223J	5-101	AA		C	
VRS-CY1JD272J	5-102	AA		C	
VRS-CY1JD331J	5-103	AA		C	
VRS-CY1JD332J	5-130	AA		C	
VRS-CY1JD362F	5-104	AA		C	
VRS-CY1JD471J	5-105	AA		C	
VRS-CY1JD473J	5-106	AA		C	
VRS-CY1JD563J	5-107	AA		C	
VRS-CY1JD821J	5-108	AA		C	
VRS-CY2AY243F	5-109	AA		C	
VRS-CY2AY272F	5-110	AA		C	
VRS-CY2AY303F	5-111	AA		C	
VRS-CY2AY392J	5-112	AA		C	
VRS-CY2AY473F	5-113	AA		C	
VRS-CY2AY510J	5-114	AA		C	
VRS-CY2AY561J	5-115	AA		C	
VRS-CY2AY911F	5-116	AA		C	
VS2SD2212++-1	5-117	AG		B	
VS2SK2731//-1	5-118	AD		B	
VSKRA101M//-1	5-119	AD		B	
〃	6- 16	AD		B	
VSKRA106S//-1	5-120	AF		B	
VSKRC106S//-1	5-121	AD		B	
VSKRC111S//-1	5-122	AD		B	
VSKTA1663//-1	5-123	AE		B	
〃	6- 17	AE		B	
VSKTA1664//-1	5-124	AD		B	
〃	6- 18	AD		B	
VSKTD998///-1	5-125	AS		B	
【X】					
XBBSC30P06000	1- 12	AA		C	
XBPSD26P06000	1- 38	AA		C	
XBPSD30P06000	5-126	AA		C	
XBPSD40P06K00	4- 43	AA		C	
XEBSD30P08000	1- 15	AA		C	
XHBSD30P04000	1- 37	AA		C	
XHBSD30P12000	4- 33	AA		C	
XHBSD30P18000	1- 21	AA		C	
XHBSD40P12000	4- 35	AA		C	
XHBSD40P25000	1- 25	AB		C	
XHPSC30P08000	4- 42	AA		C	
XHSSD30P06000	4- 20	AA		C	
XJPSD30P06000	1- 53	AA		C	
〃	2- 10	AA		C	
〃	2- 11	AA		C	
XNESD60-50000	4- 13	AA		C	
〃	4- 39	AA		C	
XRESJ40-06000	4- 12	AA		C	
XRESJ50-06000	4- 16	AA		C	
XUBSD40P08000	1- 26	AA		C	
XUPSD30P08000	4- 2	AA		C	

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2002 January Printed in Japan (t)

SHARP PARTS GUIDE

MODEL XE-A201

PRINTER:M-T51

(for TQ,TS,KA,KB)

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3 Packing material & Accessories
4 Drawer box unit(SK-360 type)
5 Main PWB unit
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Because parts marked with "⚠" are indispensable for the machine safety maintenance and poeration, it must be replaced with the parts specific to the product specification.

Table of destinations

SELECTION CODE	COUNTRIES
U	U.S.A., Guam
A	Canada
TS	Germany
TQ	SEEG territory other than Germany (Stamp:English)
TR	SEEG territory other than Germany (Stamp:English)
TM	SEEG(FRANCE:Metro-VM) (Stamp:French)
KB	U.Kingdom
KA	Australia

SELECTION CODE	COUNTRIES
K	Korea

SELECTION CODE	COUNTRIES
SB	Saudi Arabia (127V area)
SBA	Saudi Arabia (220V area)
SC	Taiwan
SD	Venezuela
SE	Hong Kong
SG	Lebanon, Syria, Greece, Pakistan, Iran, Egypt, Thailand, Iraq, Mauritius, Seychelles, Tahiti, Jordan, Sudan, Turkey
SH	South Africa (U.S.A. version)
SHE	South Africa (Europe version)
SJ	Philippines (Europe version)
SJ2	Philippines (U.S.A. version)
SM	Kuwait, Qatar, Oman, UAE, Malta, Bahrain
SMT	Nigeria, Yemen, Kenya

SELECTION CODE	COUNTRIES
RA1	Morocco, Algeria, Tunisia, West Africa
RA2	Chile, Uruguay, Peru, Argentina, Paraguay
RA5	Sri Lanka

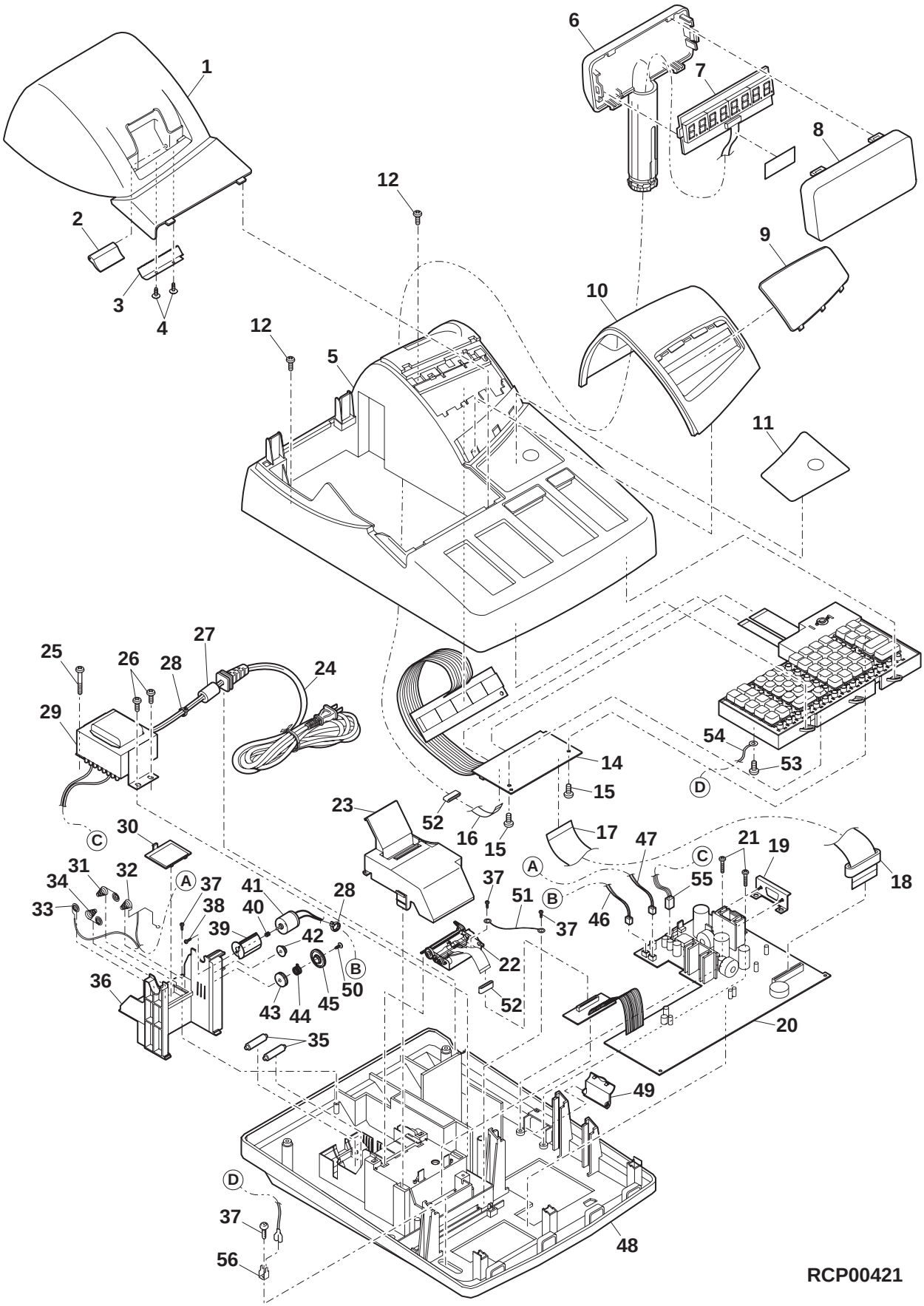
SELECTION CODE	COUNTRIES
RB3	Indonesia
RB4	
RB5	Cyprus
RB6	Panama
RB7	Barbados
RB8	Malaysia (U.S.A. version)

SELECTION CODE	COUNTRIES
RC1	Malaysia (Europe version)
RC2	Singapore
RC5	Dominican Republic, Ecuador

1 Exteriors

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	GCŌVB2527BH01	AX		D	Printer cover unit
2	PGiDH2399BHSA	AH		C	Paper guide
3	PCUT-2326BHZA	AF		C	Paper cutter
4	LX-BZ6788BHZZ	AD		C	Screw
5	CCABB2571BHZZ	BC		D	Top cabinet
6	CCABB7861BHSA	AR		D	Pop up cabinet
7	CPWBF2928BH01	BC		E	Pop up PWB unit
8	PFiLW6961BHSG	AP		D	Pop up filter
9	PFiLW2012BHZZ	AN		D	Display filter
10	GCŌVB2529BHZZ	AS		D	Display cover
11	HDECP2004BHSB	AL	N	D	DECO PANEL
12	XBBSC30P06000	AA		C	Screw (3×6)
14	CPWBF2923BH01	BN		E	Display PWB unit
15	XEBSD30P08000	AA		C	Screw (3×8)
16	QCNW-3186BHZZ	AL		C	Pop up cable
17	QCNW-3042BHZZ	AQ		C	Flat cable (34P)
18	RCŌRF2343BHZZ	AR		C	Core (HFP-49.6-6.5-12)
19	LANGT2849BHZZ	AF		C	RS232C angle
20	CPWBF2920BH02	BZ	N	E	Main PWB unit
21	XHBSD30P18000	AA		C	Screw (3×18)
22	Ki-ŌB2016BHZZ	BU		E	Printer (M-T51)
23	GDAi-2348BHZZ	AL		D	Paper dai
⚠	QACCE3120BHZZ	AV		B	AC cord [TQ,TS]
⚠ 24	QACCL1018BHZZ	AU		B	AC cord [KA]
⚠	QACCB3120QCZZ	AY		B	AC cord [KB]
25	XHBSD40P25000	AB		C	Screw (4×25)
26	XUBSD40P08000	AA		C	Screw (4×8)
27	RCŌRF6695BHZZ	AK		C	Core (OP14A)
28	LBNDJ2003SCZZ	AA		C	Cable band
⚠	RTRNP2431BHZZ	BE	N	B	Power transformer [TQ,TS]
⚠ 29	RTRNP2433BHZZ	BE	N	B	Power transformer [KA,KB]
30	GFTAB6775BHSE	AE		D	Battery cover
31	QTANZ2346BHZA	AF		C	Battery terminal A
32	QTANZ2002BHZZ	AG		C	Battery terminal ⊖
33	QTANZ6657BHZA	AD		C	Battery terminal ⊕
34	QTANZ2347BHZA	AF		C	Battery terminal B
35	NRŌLP6656BHZZ	AF		C	Roller
36	CCASP2337BHZZ	AS		D	Battery case
37	XHBSD30P04000	AA		C	Screw (3×4)
38	XBPSD26P06000	AA		C	Screw (2.6×6)
39	GCŌVH2536BHZZ	AG		D	Motor cover
40	NGERH2006BHZZ	AE		C	Motor gear
41	RMŌTM2321BHZZ	AS		B	Motor
42	NGERH6644BHZZ	AF		C	Idle gear-S
43	NGERH6643BHZZ	AT		C	SP-gear
44	MSPRD6741BHZZ	AF		C	C/spring
45	NGERH2005BHZZ	AG		C	Idle gear L
46	QCNW-3043BHZZ	AE		C	Motor cable
47	QCNW-3195BHZZ	AE		C	Battery cable
48	GCABA2572BHZZ	BC		D	Bottom cabinet
49	GCŌVH2530BHZZ	AE		D	RS232C cover
50	LX-BZ6786BHZZ	AB		C	Screw (M2×5)
51	QCNW-7768BHZZ	AE		C	Earth wire
52	RCŌRF2347BHZZ	AL	N	C	Core (HFP-33)
53	XJPSD30P06000	AA		C	Screw (3×6)
54	QCNW-3202BHZZ	AE		C	GND wire (TOP~BOTTOM)
55	QCNW-3189BHZZ	AK		C	PS cable
56	QTANZ6661BHZZ	AE		C	Faston terminal

1 Exteriors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RCP00421

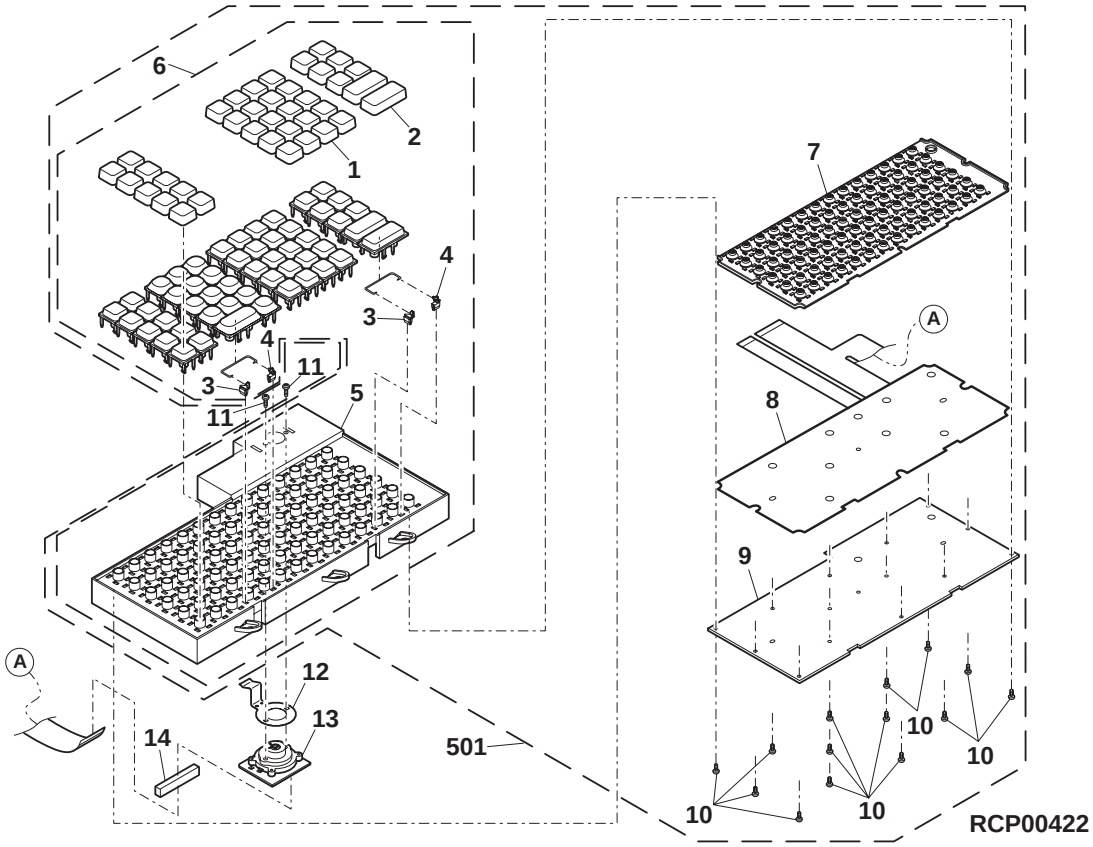
2 Keyboard unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	JKNBZ2424BHZZ	AG		C	Key cap (1×1)
2	JKNBZ2425BHZZ	AN		C	Key cap (1×2)
3	LHLDZ6837BHZZ	AE		C	Holder L (YELLOW)
4	LHLDZ6836BHZZ	AE		C	Holder R (WHITE)
5	LFRM−2366BHZZ	BC		D	Key frame
6	CKNBZ2399BH02	BF	N	E	Key top unit (KEY FRAME + KEY TOP)
7	PGUMM2447BHZZ	BA		C	Key rubber
8	CSHEP2943BHZZ	BD		B	Key sheet ass'y
9	LPLTM2368BHZZ	AY		C	Keyboard plate
10	XJPSD30P06000	AA		C	Screw (3×6)
11	XJPSD30P06000	AA		C	Screw (3×6)
12	LANGQ7604BHZZ	AG		C	Mode sw angle
13	LKGiW0001BHZZ	AS		B	Mode switch(Body)
14	QCNCM7136BHZZ	AB		C	Connector (MLX 5229-13APB)
501	Ki−ÖK2019BH01	BL	N	E	Key board unit (include No.1~10)

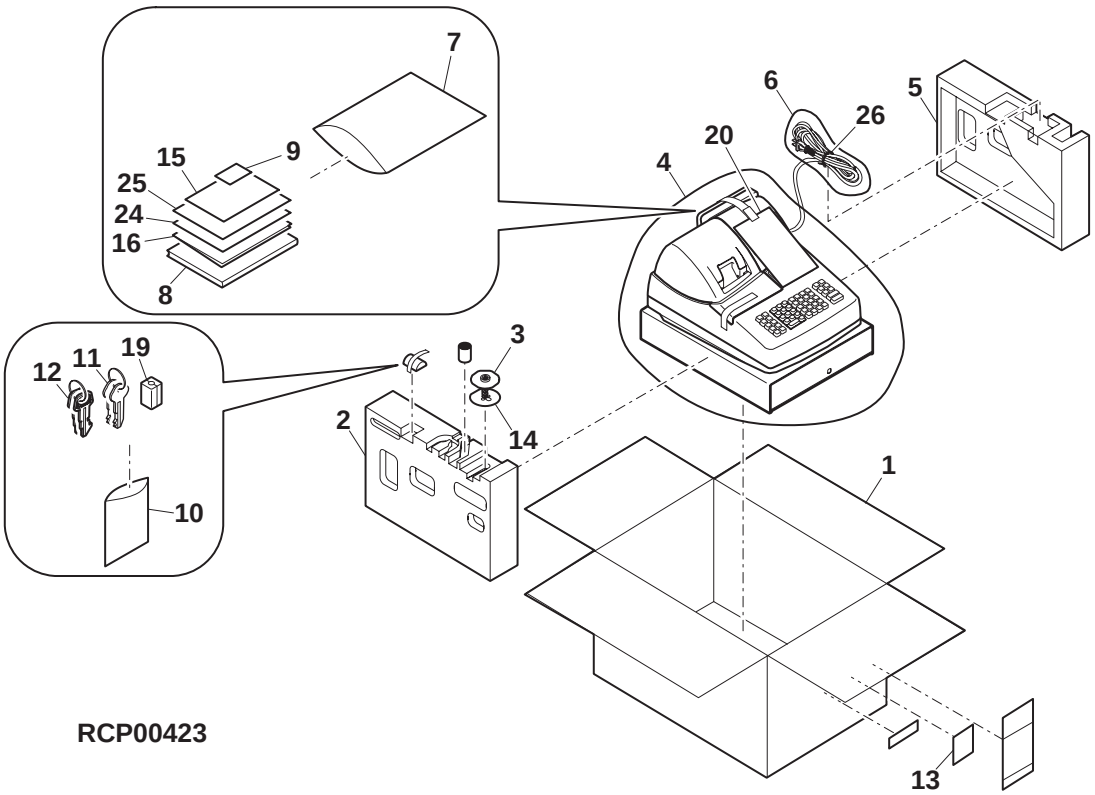
3 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	SPAKC3179BHSB	BA	N	D	Packing case
2	SPAKA3183BHZL	AR	N	D	Packing add L
3	NGERH2004BHZZ	AM		C	Spool
4	PSHEP6681BHZZ	AF		C	Packing sheet
5	SPAKA3183BHZR	AR	N	D	Packing add R
6	SSAKH4231CCZZ	AA		D	Vinyl bag (140×500mm)
7	SSAKH3015CCZZ	AA		D	Vinyl bag (200×300mm)
8	TiNSM2472BHZZ	AR	N	D	Instruction book
9	TCAUZ6681BHZZ	AD		D	Battery caution label
10	SSAKH3012CCZZ	AA		D	Vinyl bag (80×120mm)
11	LKGiM7331BHZZ	AE		B	Lock key (1pc)
12	LKGiM7110BHZZ	AE		B	MA key (MA)
	LKGiM7111BHZZ	AE		B	OP key (OP)
13	TLABR2556BHZZ	AG		D	Bar code label
14	PGiDH2394BHZZ	AK		C	G/Wheel
15	TGANE1001BHSA	AG	N	D	Warranty card [KA]
	TGANE6642BHSB	AG		D	Warranty card [KB]
16	TCADH2414BHZZ	AQ	N	D	Set up guide
19	RCÖRF6699BHZZ	AU		C	Core (BNF28)
20	TCADH2412BHZZ	AD		D	Caution card
24	TCADZ2001BHZA	AM		D	Install card [KA]
25	TiNSN7240BHZZ	AF		D	Battery dispose card [TQ]
26	UBNDA6630BHZZ	AK		C	AC cord band (4mm×200mm)(Green)

2 Keyboard unit



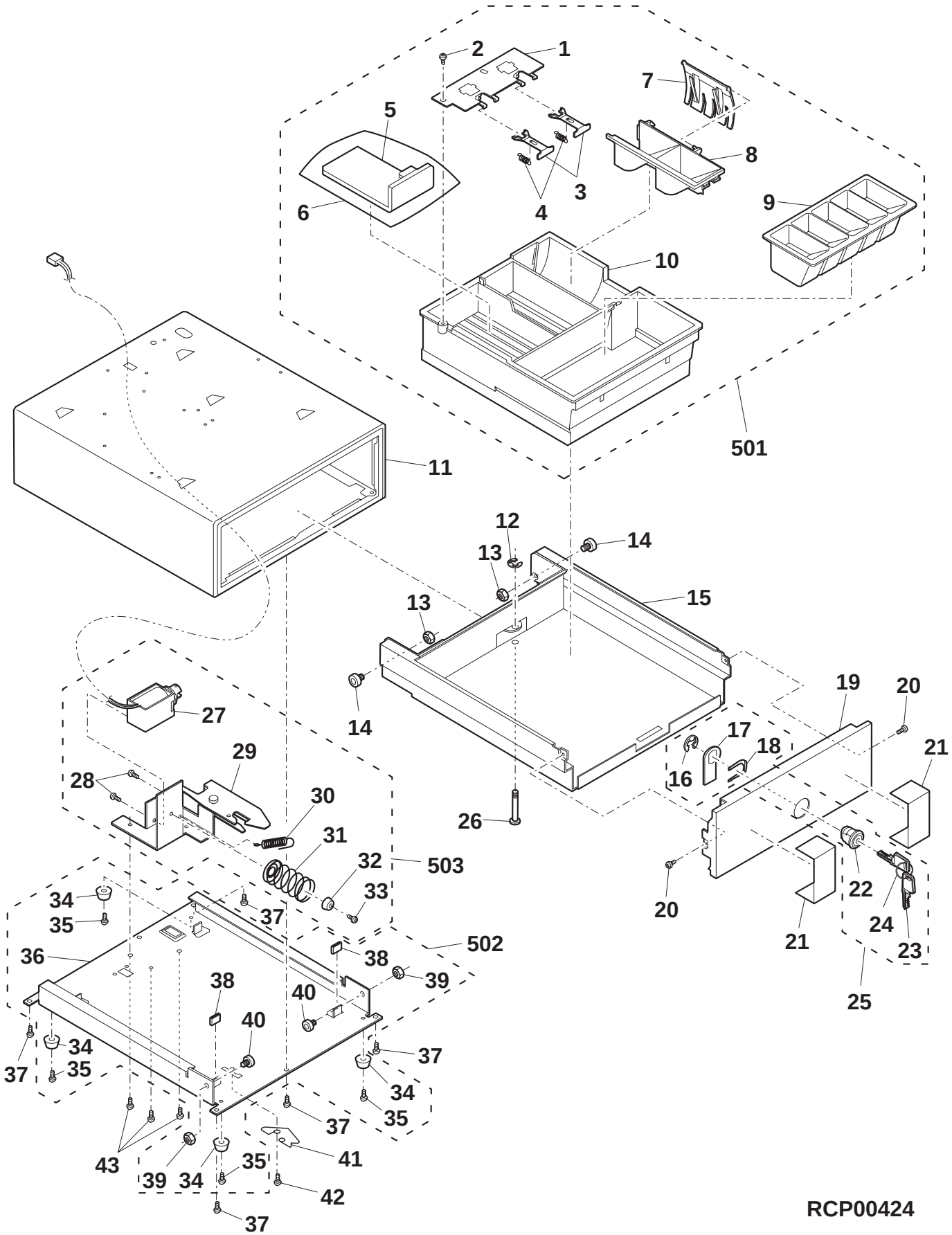
3 Packing material & Accessories



4 Drawer box unit(SK-360 type)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LPLTM2354BHZZ	AS		C	Bracket
2	XUPSD30P08000	AA		C	Screw (3×8)
3	MLEVF6699BHZB	AF		C	Bill lever
4	MSPRT6731BHZZ	AD		C	Bill spring
5	PSKR-6629BHZZ	AL		C	Bill separator
6	SSAKA5004CCZZ	AA		D	Vinyl bag
7	LPLTP2358BHZZ	AK		C	Bill plate
8	GCASP2328BHZZ	AR		D	Sub case V
9	GCASP2327BHZZ	AW		D	Coin case
10	GCASP2326BHZZ	BB		D	Money case
11	CCABM2581BHZZ	BF	N	E	Cabinet unit
12	XRESJ40-06000	AA		C	E type ring (4mm)
13	XNESD60-50000	AA		C	Nut (M6)
14	NRŌLP6657BHZZ	AN		C	Roller
15	CDRW-2317BH02	BF		D	Case frame unit
16	XRESJ50-06000	AA		C	E type ring (5mm)
17	MCAMM6633BHZA	AE		C	Lock cam
18	MSPRK6718BHZZ	AF		C	Lock key spring
19	HPNLC2478BHSA	AT	N	D	Front cover
20	XHSSD30P06000	AA		C	Screw (M3×6)
21	SPAKA8256BHZZ	AC		D	Paper pad
22	LKGiW7330BHZZ	AY		B	Lock key (body)
23	LKGiM7331BHZZ	AE		B	Lock key (1pc)
24	PRNGT6637BHZZ	AA		C	Key ring
25	DUNT-1306BHZA	AX		E	Lock key unit
26	LPiN-2323BHZZ	AE		C	Lock pin
27	CPLU-1002BHZZ	AZ	N	B	Solenoid + Drawer cable
28	LX-BZ6775BHZZ	AA		C	Screw (3×5)
29	CFRM-2359BH02	AS		D	Lock frame unit
30	MSPRT2377BHZZ	AD		C	Open lever spring
31	MSPRC2376BHZZ	AS		C	Push out spring
32	PGUMM6696BHZZ	AE		C	Gum leg
33	XHBSD30P12000	AA		C	Screw (3×12)
34	PGUMM6696BHZZ	AE		C	Gum leg
35	XHBSD40P12000	AA		C	Screw (4×12)
36	LPLTM2353BHZZ	BC		C	Bottom plate
37	LX-BZ6782BHZZ	AA		C	Screw (3×6)
38	PGUMM6695BHZZ	AE		C	Stopper gum
39	XNESD60-50000	AA		C	Nut (M6)
40	NRŌLP6657BHZZ	AN		C	Roller
41	MSPRB2374BHZZ	AF		C	Earth spring
42	XHPSC30P08000	AA		C	Screw (3×8)
43	XBPSD40P06K00	AA		C	Screw (4×6K)
501	CCASP2326BH01	BH		E	Money case unit (3B/7C)
502	CPLTM2353BH01	BF		E	Bottom plate unit
503	CLŌK-6674BHZZ	BC	N	E	Lock unit
504	GDRW-2317BH01	BL	N	E	Drawer case unit (include No.12~14,19,26)
	(Unit)				
901	GBŌXD7160BHZZ	BX	N	E	Drawer box unit

4 Drawer box unit(SK-360 type)



5 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	LX-BZ2189BHZZ	AA		C	Screw	(HEAT SINK)
2	PRDAF2374BHZA	AM		C	Heat sink	[IC2,3]
3	PRDAF2374BHZZ	AM		C	Heat sink	[Q1]
4	QCNCM1060AC03	AB		C	Connector (Short Pin 3P)	[SP1]
5	QCNCM1101BHZZ	AC		C	Connector (5273-2)(2P)	[CN1]
6	QCNCM6865BH0B	AB		C	Connector (5267-02A)	[CN5]
7	QCNCM7057BHZZ	AB		C	Connector (5045-3)(3pin)	[CN6]
8	QCNCM7125BH0i	AN		C	Connector ((9P) MLX 87023-6066))	[CN9]
9	QCNCM7183BH2F	AR		C	Connector (00-6208-010-126-001)	[CN31]
10	QCNCW1057ACZZ	AB		C	Connector (Short socket)	[SP1]
11	QCNCW2822BH3D	AK		C	Connector (K/B)(52045-3445)	[CN3]
12	QCNCW2909BHZZ	AK		C	K/B Connector (52045-1245)	[CN21]
13	QCNCW2910BHZZ	AK		C	K/B Connector (52044-2245)	[CN22]
14	QCNCW7081BHZZ	AB		C	Connector (2P)(5267-02A)(Blue)	[CN2]
15	QCNCW7201BH1E	AK		C	Connector (15P)(52806-1510)	[CN24]
16	QCNW-3156BHZA	AP		C	PR cable	[4A~4C]
17	QCNW-3156BHZZ	AN		C	PR I/F cable	[4B~4D]
18	QCNW-3192BHZZ	AM		C	DIS.-KEY cable	
19	QCNW-7813BHZZ	AF		C	GND wire (MAIN-MAIN)	[G5,6,7]
⚠ 20	QFS-E0001QCZZ	AF		A	Fuse (SEMKO T3.15A/250V)	[F1]
21	QFSHD2109AFZZ	AC		C	Fuse holder (HD2109AF)	[F1]
⚠ 22	QFS-K2007BHZZ	AF		A	Fuse (LT-5,T500mA/250V)	[F6]
⚠ 23	QFS-K2315BHZZ	AF		A	Fuse (LT5 T1.0AL/250V)	[F3]
24	RALMB5006SCZZ	AD		B	Buzzer (EFB-RD22C01)	[BZ]
25	RC-EZ0012QCZZ	AK		C	AL.Capacitor (1000µF/35V) SD)	[C13]
26	RC-EZ1060QCZZ	AH		C	FX.Capacitor (10µF/10V)	[C58]
27	RCiLC2422BHZZ	AP		C	Coil (220µH)	[L3]
28	RCiLC2427BHZZ	AF		C	Coil (180µH)	[L2]
29	RCiLC2428BHZZ	AG		C	Coil (63µH)	[L1]
30	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1µF)	[C59,66,72,76,77,80]
	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1µF)	[C89,96]
31	RCORF7002BHZZ	AE		C	Chip core (EFCB322513TS)	[FB8~15]
32	RCRSP6676RCZZ	AG		B	X-TAL (32.768KHz)	[X1]
33	RCRSZ2400RCZZ	AH		B	X-TAL (12MHz)	[X2]
34	VHi30624FGA-1	BN		B	CPU (M30624FGFP)	[IC5]
35	VCCCTV1HH101J	AA		C	Capacitor (50WV 100PF)	[C37,57]
36	VCCCTV1HH180J	AA		C	Capacitor (50WV 18pF)	[C43]
37	VCCCTV1HH270J	AC		C	Capacitor (50WV 27pF)	[C44]
38	VCCCTV1HH300J	AA		C	Capacitor (50WV 30PF)	[C56]
39	VCCCTV1HH331J	AA		C	Capacitor (50WV 330PF)	[C73,C40]
40	VCEAGA1CW106M	AA		C	Capacitor (16WV 10µF)	[C98]
41	VCEAGA1CW107M	AC		C	Capacitor (100µF/16V)	[C104]
42	VCEAGA1CW337M	AB		C	Capacitor (16WV 330µF)	[C8]
43	VCEAGA1HW106M	AA		C	Capacitor (50WV 10µF)	[C78,88]
44	VCEAGA1HW227M	AC		C	Capacitor (50WV 220uF)	[C4,11]
45	VCEAGU1HW338M	AT		C	Capacitor (50WV 3300µF)(VCEAGA1HW338M)	[C2]
46	VCEAGA1HW475M	AA		C	Capacitor (50WV 4.7µF)	[C107]
47	VCEAGA1HW476M	AB		C	Capacitor (50WV 47µF)	[C75]
48	VCEAGD1CW108M	AE		C	Capacitor (16WV 1000µF)	[C5]
49	VCEAGD1CW478M	AP		C	Capacitor (4700µF/16V)	[C3]
50	VCKYPU1HB101K	AA		C	Capacitor (50WV 100PF)(VCKYPA1HB101K)	[C16~19,C28~35]
51	VCKYPU1HB102K	AA		C	Capacitor (50WV 1000pF)(VCKYPA1HB102K)	[C90~94]
52	VCKYPU1HB151K	AA		C	Capacitor (50WV 150pF)(VCKYPA1HB151K)	[C20~27,C45~54,70]
53	VCKYTV1HB222K	AA		C	Capacitor (50WV 2200pF)	[C38]
54	VCKYTV1HF104Z	AA		C	Capacitor (50WV 0.10µF)	[C15,39,65,71,74,84~87,97,41,101]
55	VCQYKU1HM223K	AB		C	Capacitor (50WV 22000pF)(VCQYKA1HM223K)	[C12]
56	VCQYNA1HM333K	AA		C	Capacitor (50WV 0.033µF)	[C1]
57	VCQYNU1HM104K	AB		C	Capacitor (50WV 0.10µF)	[C9]
58	VHD1N4002G/-1	AA		B	Diode (1N4002G)	[D7,8]
59	VHD1SS353//-1	AB		B	Diode (1SS353)	[D11]
60	VHDCP301///-1	AL		B	Diode (CP301)	[D1]
61	VHDDSS133HV-1	AA		B	Diode (DSS133HV)	[D3,4,5,12,13,16]
62	VHDFMB-G24H/1	AH		B	Diode (FMG-G24H)	[D2]
63	VHDRB060L//-1	AK		B	Diode (RB060L40)	[D6,10]
64	VHDRB721Q//-1	AE		B	Diode (RE721Q)	[D9]
65	VHEMTZJ5R1B-1	AB		B	Zener diode (MTZJ5.1B)	[ZD4]
66	VHEPTZ6.2A/-1	AH		B	Zener diode (PTZ6.2A)	[ZD2]
67	VHEPTZ9.1B+-1	AG		B	Zener diode (PTZ9.1B)	[ZD1]
68	VHi2574NADJ-1	AW		B	IC (ON SEMI)(LM2574-ADJ)	[IC1]
69	VHi621024M7-1	AZ		B	SRAM (LP621024DM)	[IC9]
70	VHiBA10393F-1	AC		B	IC (BA10393F)	[IC4]
71	VHiHiN211CA-1	AN		B	IC (HIN211CA)	[IC14]
72	VHiKiD65083AP	AM		B	IC (KID65083AP)	[IC23]
73	VHiLB1838M+-1	AT		B	PRINTER DRIVER IC (LB1838M)	[IC13]
74	VHiPQ1CG2032F	AL		B	IC (PQ1CG2032FZ)	[IC2,3]
75	VHiS80928ANMP	AF		B	IC(Detector) (S-80928ANMP)	[IC15]
76	VHiSN74HC138N	AL		B	IC (74HC138)	[IC16,17]
77	VHiSN74HC374D	AL		B	IC (SN74HC374D)	[IC8]
78	VHPD5680GL2-1	AQ		B	LED (2 SEGMENT)(D568GWA)	[LED1~5]
79	VRD-RC2EY101J	AA		C	Resistor (1/4W 100Ω ±5%)	[R46~53,108~112,246]

5 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
80	VRD-RC2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%) [R21~45,R63~77,79,85,87~90,97,99,242,247]
81	VRD-RC2EY121J	AA		C	Resistor (1/4W 120Ω ±5%) [R218~227]
82	VRD-RC2EY202J	AA		C	Resistor (1/4W 2.0KΩ ±5%) [R98]
83	VRD-RC2EY221J	AA		C	Resistor (1/4W 22Ω ±5%) [R8]
84	VRD-RC2EY223J	AA		C	Resistor (1/4W 22KΩ ±5%) [R1]
85	VRD-RC2EY272J	AA		C	Resistor (1/4W 2.7KΩ ±5%) [R15]
86	VRD-RC2EY300J	AA		C	Resistor (1/4W 30Ω ±5%) [R233~240]
87	VRD-RC2EY332J	AA		C	Resistor (1/4W 3.3KΩ ±5%) [R56]
88	VRD-RC2EY335J	AA		C	Resistor (1/4W 3.3MΩ ±5%) [R9]
89	VRD-RC2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%) [R100]
90	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%) [R78,81~84]
91	VRD-RC2EY912G	AA		C	Resistor (1/4W 9.1KΩ ±2%) [R16]
92	VRG-ST2EJ100J	AC		B	Fuse resistor (1/4W 10Ω ±5%) [R2]
93	VRS-CY1JD000J	AA		C	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type) [R17,61,114,244]
94	VRS-CY1JD102J	AA		C	Resistor (1/16W 1.0KΩ ±5%) [R101,102]
95	VRS-CY1JD103F	AB		C	Resistor (1/16W 10KΩ ±1%) [R93,94]
96	VRS-CY1JD103J	AA		C	Resistor (1/16W 10KΩ ±5%) [R11,13,243]
97	VRS-CY1JD104J	AA		C	Resistor (1/16W 100KΩ ±5%) [R58]
98	VRS-CY1JD123J	AA		C	Resistor (1/16W 12KΩ ±5%) [R208~217]
99	VRS-CY1JD203F	AB		C	Resistor (1/16W 20KΩ ±1%) [R4]
100	VRS-CY1JD222J	AA		C	Resistor (1/16W 2.2KΩ ±5%) [R113]
101	VRS-CY1JD223J	AA		C	Resistor (1/16W 22KΩ ±5%) [R10]
102	VRS-CY1JD272J	AA		C	Resistor (1/16W 2.7KΩ ±5%) [R20]
103	VRS-CY1JD331J	AA		C	Resistor (1/16W 330Ω ±5%) [R60]
104	VRS-CY1JD362F	AA		C	Resistor (1/16W 3.6KΩ ±1%) [R5]
105	VRS-CY1JD471J	AA		C	Resistor (1/16W 470Ω ±5%) [R86]
106	VRS-CY1JD473J	AA		C	Resistor (1/16W 47KΩ ±5%) [R55,80]
107	VRS-CY1JD563J	AA		C	Resistor (1/16W 56KΩ ±5%) [R19]
108	VRS-CY1JD821J	AA		C	Resistor (1/16W 820Ω ±5%) [R57]
109	VRS-CY2AY243F	AA		C	Resistor (1/10W 24KΩ ±1%) [R241]
110	VRS-CY2AY272F	AA		C	Resistor (1/10W 2.7KΩ ±1% 1608) [R6]
111	VRS-CY2AY303F	AA		C	Resistor (1/10W 30KΩ ±1% 1608) [R96]
112	VRS-CY2AY392J	AA		C	Resistor (1/10W 3.9KΩ ±5% 1608) [R18]
113	VRS-CY2AY473F	AA		C	Resistor (1/10W 47KΩ ±1% 1608) [R59]
114	VRS-CY2AY510J	AA		C	Resistor (1/10W 51Ω ±5%) [R12]
115	VRS-CY2AY561J	AA		C	Resistor (1/10W 560Ω ±5% 1608) [R14]
116	VRS-CY2AY911F	AA		C	Resistor (1/10W 910Ω ±1% 1608) [R7]
117	VS2SD2212++-1	AG		B	Chip transistor (2SD2212) [Q9,13]
118	VS2SK2731//-1	AD		B	Chip FET (2SK2731) [Q7]
119	VSKRA101M//-1	AD		B	Transistor (KRA101M) [Q29~38]
120	VSKRA106S//-1	AF		B	Transistor (KRA106S) [Q3]
121	VSKRC106S//-1	AD		B	Transistor (KRC106S) [Q2,4]
122	VSKRC111S//-1	AD		B	Transistor (KRC111S) [Q8,14]
123	VSKTA1663//-1	AE		B	Transistor (KTA1663) [Q23~28,39]
124	VSKTA1664//-1	AD		B	Transistor (KTA1664) [Q20~22]
125	VSKTD998//-1	AS		B	Transistor (2SD998) [Q1]
126	XBPSD30P06000	AA		C	Screw (3×6) [IC2,IC3,Q1]
130	VRS-CY1JD332J	AA		C	Resistor (1/16W 3.3KΩ ±5%) [R91]
131	VHiFS781BZB-1	AP		B	IC (FS781BZB) [IC7]
132	VCCCPA1HH910J		N	C	CE. capacitor (50WV 91PF) [C108]
133	VRD-RC2EY330J	AA		C	Resistor (1/4W 33Ω ±5%) [R249]
	(Unit)				
901	CPWBF2920BH02	BZ	N	E	Main PWB unit

6 Display PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW2823BH3D	AK		C	Connector (52044-3445) [CN23]
2	QCNCW2909BHZZ	AK		C	K/B connector (52045-1245) [CN21]
3	QCNCW2910BHZZ	AK		C	K/B connector (52044-2245) [CN22]
4	QCNCW7201BH1E	AK		C	Connector (15P)(52806-1510) [CN24]
5	QCNW-3192BHZZ	AM		C	DIS.-KEY cable
6	RC-KZ1054CCZZ	AB		C	Capacitor (50WV 0.1μF) [C105]
7	VCEAGA1CW107M	AC		C	Capacitor (100μF/16V) [C104]
8	VCKYPU1HB101K	AA		C	Capacitor (50WV 100PF)(VCKYPA1HB101K) [C106]
9	VHDDSS133HV-1	AA		B	Diode (DSS133HV) [D21~D31]
10	VHiKiD65083AP	AM		B	IC (KID65083AP) [IC23]
11	VHPD5680GL2-1	AQ		B	LED (2 SEGMENT)(D568GWA) [LED1~LED5]
12	VRD-RC2EY121J	AA		C	Resistor (1/4W 120Ω ±5%) [R218~R227]
13	VRD-RC2EY300J	AA		C	Resistor (1/4W 30Ω ±5%) [R233~R240]
14	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%) [R201~R207,R228]
15	VRS-CY1JD123J	AA		C	Resistor (1/16W 12KΩ ±5%) [R208~R217]
16	VSKRA101M//-1	AD		B	Transistor (KRA101M) [Q29~Q38]
17	VSKTA1663//-1	AE		B	Transistor (KTA1663) [Q23~Q28,Q39]
18	VSKTA1664//-1	AD		B	Transistor (KTA1664) [Q20~Q22]
	(Unit)				

6 Display PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
901	CPWBF2923BH01	BN		E	Display PWB unit

7 Pop up PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	QCNCW7202BH1E	AK		C	Connector (52807-1510) [CN1]
2	VHPD5680GL2-1	AQ		B	LED (2 SEGMENT)(D568GWA) [LED6~8]
3	VHPS5680GL2-1	AP		B	LED (1 SEGMENT)(S568GWA) [LED9]
4	VRD-RC2EY270J	AA		C	Resistor (1/4W 27Ω ±5%) [R1~7]
	(Unit)				
901	CPWBF2928BH01	BC		E	Pop up PWB unit

8 Articles for consumption

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	TPAPR6656RC05	BA		S	Thermal roll paper (5 Rolls/pack)

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
【C】					
CCABB2571BHZZ	1- 5	BC		D	
CCABB7861BHSA	1- 6	AR		D	
CCABM2581BHZZ	4- 11	BF	N	E	
CCASP2326BH01	4-501	BH		E	
CCASP2337BHZZ	1- 36	AS		D	
CDRW-2317BH02	4- 15	BF		D	
CFRM-2359BH02	4- 29	AS		D	
CKNBZ2399BH02	2- 6	BF	N	E	
CLŌK-6674BHZZ	4-503	BC	N	E	
CPLTM2353BH01	4-502	BF		E	
CPLU-1002BHZZ	4- 27	AZ	N	B	
CPWBF2920BH02	1- 20	BZ	N	E	
〃	5-901	BZ	N	E	
CPWBF2923BH01	1- 14	BN		E	
〃	6-901	BN		E	
CPWBF2928BH01	1- 7	BC		E	
〃	7-901	BC		E	
CSHEP2943BHZZ	2- 8	BD		B	
【D】					
DUNT-1306BHZA	4- 25	AX		E	
【G】					
GBŌXD7160BHZZ	4-901	BX	N	E	
GCABA2572BHZZ	1- 48	BC		D	
GCASP2326BHZZ	4- 10	BB		D	
GCASP2327BHZZ	4- 9	AW		D	
GCASP2328BHZZ	4- 8	AR		D	
GCŌVB2527BH01	1- 1	AX		D	
GCŌVB2529BHZZ	1- 10	AS		D	
GCŌVH2530BHZZ	1- 49	AE		D	
GCŌVH2536BHZZ	1- 39	AG		D	
GDAi-2348BHZZ	1- 23	AL		D	
GDRW-2317BH01	4-504	BL	N	E	
GFTAB6775BHSE	1- 30	AE		D	
【H】					
HDECP2004BHSB	1- 11	AL	N	D	
HPNLC2478BHSA	4- 19	AT	N	D	
【J】					
JKNBZ2424BHZZ	2- 1	AG		C	
JKNBZ2425BHZZ	2- 2	AN		C	
【K】					
Ki-ŌB2016BHZZ	1- 22	BU		E	
Ki-ŌK2019BH01	2-501	BL	N	E	
【L】					
LANGQ7604BHZZ	2- 12	AG		C	
LANGT2849BHZZ	1- 19	AF		C	
LBNDJ2003SCZZ	1- 28	AA		C	
LFRM-2366BHZZ	2- 5	BC		D	
LHLDZ6836BHZZ	2- 4	AE		C	
LHLDZ6837BHZZ	2- 3	AE		C	
LKGiM7110BHZZ	3- 12	AE		B	
LKGiM7111BHZZ	3- 12	AE		B	
LKGiM7331BHZZ	3- 11	AE		B	
〃	4- 23	AE		B	
LKGiW0001BHZZ	2- 13	AS		B	
LKGiW7330BHZZ	4- 22	AY		B	
LPiN-2323BHZZ	4- 26	AE		C	
LPLTM2353BHZZ	4- 36	BC		C	
LPLTM2354BHZZ	4- 1	AS		C	
LPLTM2368BHZZ	2- 9	AY		C	
LPLTP2358BHZZ	4- 7	AK		C	
LX-BZ2189BHZZ	5- 1	AA		C	
LX-BZ6775BHZZ	4- 28	AA		C	
LX-BZ6782BHZZ	4- 37	AA		C	
LX-BZ6786BHZZ	1- 50	AB		C	
LX-BZ6788BHZZ	1- 4	AD		C	
【M】					
MCAMM6633BHZA	4- 17	AE		C	
MLEVF6699BHZB	4- 3	AF		C	
MSPRB2374BHZZ	4- 41	AF		C	
MSPRC2376BHZZ	4- 31	AS		C	
MSPRD6741BHZZ	1- 44	AF		C	
MSPRK6718BHZZ	4- 18	AF		C	
MSPRT2377BHZZ	4- 30	AD		C	
MSPRT6731BHZZ	4- 4	AD		C	
【N】					
NGERH2004BHZZ	3- 3	AM		C	
NGERH2005BHZZ	1- 45	AG		C	
NGERH2006BHZZ	1- 40	AE		C	
NGERH6643BHZZ	1- 43	AT		C	
NGERH6644BHZZ	1- 42	AF		C	
NRŌLP6656BHZZ	1- 35	AF		C	
NRŌLP6657BHZZ	4- 14	AN		C	
〃	4- 40	AN		C	
【P】					
PCUT-2326BHZA	1- 3	AF		C	
PFiLW2012BHZZ	1- 9	AN		D	
PFiLW6961BHSG	1- 8	AP		D	
PGiDH2394BHZZ	3- 14	AK		C	
PGiDH2399BHSA	1- 2	AH		C	
PGUMM2447BHZZ	2- 7	BA		C	
PGUMM6695BHZZ	4- 38	AE		C	
PGUMM6696BHZZ	4- 32	AE		C	
〃	4- 34	AE		C	
PRDAF2374BHZA	5- 2	AM		C	
PRDAF2374BHZZ	5- 3	AM		C	
PRNGT6637BHZZ	4- 24	AA		C	
PSHEP6681BHZZ	3- 4	AF		C	
PSKR-6629BHZZ	4- 5	AL		C	
【Q】					
QACCB3120QCZZ	1- 24	AY		B	
QACCE3120BHZZ	1- 24	AV		B	
QACCL1018BHZZ	1- 24	AU		B	
QCNCM1060AC03	5- 4	AB		C	
QCNCM1101BHZZ	5- 5	AC		C	
QCNCM6865BH0B	5- 6	AB		C	
QCNCM7057BHZZ	5- 7	AB		C	
QCNCM7125BH0i	5- 8	AN		C	
QCNCM7136BHZZ	2- 14	AB		C	
QCNCM7183BH2F	5- 9	AR		C	
QCNCW1057ACZZ	5- 10	AB		C	
QCNCW2822BH3D	5- 11	AK		C	
QCNCW2823BH3D	6- 1	AK		C	
QCNCW2909BHZZ	5- 12	AK		C	
〃	6- 2	AK		C	
QCNCW2910BHZZ	5- 13	AK		C	
〃	6- 3	AK		C	
QCNCW7081BHZZ	5- 14	AB		C	
QCNCW7201BH1E	5- 15	AK		C	
〃	6- 4	AK		C	
QCNCW7202BH1E	7- 1	AK		C	
QCNW-3042BHZZ	1- 17	AQ		C	
QCNW-3043BHZZ	1- 46	AE		C	
QCNW-3156BHZA	5- 16	AP		C	
QCNW-3156BHZZ	5- 17	AN		C	
QCNW-3186BHZZ	1- 16	AL		C	
QCNW-3189BHZZ	1- 55	AK		C	
QCNW-3192BHZZ	5- 18	AM		C	
〃	6- 5	AM		C	
QCNW-3195BHZZ	1- 47	AE		C	
QCNW-3202BHZZ	1- 54	AE		C	
QCNW-7768BHZZ	1- 51	AE		C	
QCNW-7813BHZZ	5- 19	AF		C	
QFS-E0001QCZZ	5- 20	AF		A	
QFSHD2109AFZZ	5- 21	AC		C	
QFS-K2007BHZZ	5- 22	AF		A	
QFS-K2315BHZZ	5- 23	AF		A	
QTANZ2002BHZZ	1- 32	AG		C	
QTANZ2346BHZA	1- 31	AF		C	
QTANZ2347BHZA	1- 34	AF		C	
QTANZ6657BHZA	1- 33	AD		C	
QTANZ6661BHZZ	1- 56	AE		C	
【R】					
RALMB5006SCZZ	5- 24	AD		B	
RC-EZ0012QCZZ	5- 25	AK		C	
RC-EZ1060QCZZ	5- 26	AH		C	
RCiLC2422BHZZ	5- 27	AP		C	
RCiLC2427BHZZ	5- 28	AF		C	
RCiLC2428BHZZ	5- 29	AG		C	
RC-KZ1054CCZZ	5- 30	AB		C	
〃	6- 6	AB		C	
RCŌRF2343BHZZ	1- 18	AR		C	
RCŌRF2347BHZZ	1- 52	AL	N	C	
RCŌRF6695BHZZ	1- 27	AK		C	
RCŌRF6699BHZZ	3- 19	AU		C	
RCŌRF7002BHZZ	5- 31	AE		C	
RCRSP6676RCZZ	5- 32	AG		B	
RCRSZ2400RCZZ	5- 33	AH		B	
RMŌTM2321BHZZ	1- 41	AS		B	
RTRNP2431BHZZ	1- 29	BE	N	B	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
RTRNP2433BHZZ	1- 29	BE	N	B	
【S】					
SPAKA3183BHZL	3- 2	AR	N	D	
SPAKA3183BHZR	3- 5	AR	N	D	
SPAKA8256BHZZ	4- 21	AC		D	
SPAKC3179BHSB	3- 1	BA	N	D	
SSAKA5004CCZZ	4- 6	AA		D	
SSAKH3012CCZZ	3- 10	AA		D	
SSAKH3015CCZZ	3- 7	AA		D	
SSAKH4231CCZZ	3- 6	AA		D	
【T】					
TCADH2412BHZZ	3- 20	AD		D	
TCADH2414BHZZ	3- 16	AQ	N	D	
TCADZ2001BHZA	3- 24	AM		D	
TCAUZ6681BHZZ	3- 9	AD		D	
TGANE1001BHSA	3- 15	AG	N	D	
TGANE6642BHSB	3- 15	AG		D	
TiNSM2472BHZZ	3- 8	AR	N	D	
TiNSN7240BHZZ	3- 25	AF		D	
TLABR2556BHZZ	3- 13	AG		D	
TPAPR6656RC05	8- 1	BA		S	
【U】					
UBNDA6630BHZZ	3- 26	AK		C	
【V】					
VCCCPA1HH910J	5-132		N	C	
VCCCTV1HH101J	5- 35	AA		C	
VCCCTV1HH180J	5- 36	AA		C	
VCCCTV1HH270J	5- 37	AC		C	
VCCCTV1HH300J	5- 38	AA		C	
VCCCTV1HH331J	5- 39	AA		C	
VCEAGA1CW106M	5- 40	AA		C	
VCEAGA1CW107M	5- 41	AC		C	
〃	6- 7	AC		C	
VCEAGA1CW337M	5- 42	AB		C	
VCEAGA1HW106M	5- 43	AA		C	
VCEAGA1HW227M	5- 44	AC		C	
VCEAGA1HW475M	5- 46	AA		C	
VCEAGA1HW476M	5- 47	AB		C	
VCEAGD1CW108M	5- 48	AE		C	
VCEAGD1CW478M	5- 49	AP		C	
VCEAGU1HW338M	5- 45	AT		C	
VCKYPU1HB101K	5- 50	AA		C	
〃	6- 8	AA		C	
VCKYPU1HB102K	5- 51	AA		C	
VCKYPU1HB151K	5- 52	AA		C	
VCKYTV1HB222K	5- 53	AA		C	
VCKYTV1HF104Z	5- 54	AA		C	
VCQYKU1HM223K	5- 55	AB		C	
VCQYNA1HM333K	5- 56	AA		C	
VCQYNU1HM104K	5- 57	AB		C	
VHD1N4002G/-1	5- 58	AA		B	
VHD1SS353//-1	5- 59	AB		B	
VHDCP301///-1	5- 60	AL		B	
VHDDSS133HV-1	5- 61	AA		B	
〃	6- 9	AA		B	
VHDFMB-G24H/1	5- 62	AH		B	
VHDRB060L//-1	5- 63	AK		B	
VHDRB721Q//-1	5- 64	AE		B	
VHEMTZJ5R1B-1	5- 65	AB		B	
VHEPTZ6.2A/-1	5- 66	AH		B	
VHEPTZ9.1B+-1	5- 67	AG		B	
VHi2574NADJ-1	5- 68	AW		B	
VHi30624FGA-1	5- 34	BN		B	
VHi621024M7-1	5- 69	AZ		B	
VHiBA10393F-1	5- 70	AC		B	
VHiFS781BZB-1	5-131	AP		B	
VHiHiN211CA-1	5- 71	AN		B	
VHiKiD65083AP	5- 72	AM		B	
〃	6- 10	AM		B	
VHiLB1838M+-1	5- 73	AT		B	
VHiPQ1CG2032F	5- 74	AL		B	
VHiS80928ANMP	5- 75	AF		B	
VHiSN74HC138N	5- 76	AL		B	
VHiSN74HC374D	5- 77	AL		B	
VHPD5680GL2-1	5- 78	AQ		B	
〃	6- 11	AQ		B	
〃	7- 2	AQ		B	
VHPS5680GL2-1	7- 3	AP		B	
VRD-RC2EY101J	5- 79	AA		C	
VRD-RC2EY103J	5- 80	AA		C	
VRD-RC2EY121J	5- 81	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VRD-RC2EY121J	6- 12	AA		C	
VRD-RC2EY202J	5- 82	AA		C	
VRD-RC2EY221J	5- 83	AA		C	
VRD-RC2EY223J	5- 84	AA		C	
VRD-RC2EY270J	7- 4	AA		C	
VRD-RC2EY272J	5- 85	AA		C	
VRD-RC2EY300J	5- 86	AA		C	
〃	6- 13	AA		C	
VRD-RC2EY330J	5-133	AA		C	
VRD-RC2EY332J	5- 87	AA		C	
VRD-RC2EY335J	5- 88	AA		C	
VRD-RC2EY472J	5- 89	AA		C	
VRD-RC2EY473J	5- 90	AA		C	
〃	6- 14	AA		C	
VRD-RC2EY912G	5- 91	AA		C	
VRG-ST2EJ100J	5- 92	AC		B	
VRS-CY1JD000J	5- 93	AA		C	
VRS-CY1JD102J	5- 94	AA		C	
VRS-CY1JD103F	5- 95	AB		C	
VRS-CY1JD103J	5- 96	AA		C	
VRS-CY1JD104J	5- 97	AA		C	
VRS-CY1JD123J	5- 98	AA		C	
〃	6- 15	AA		C	
VRS-CY1JD203F	5- 99	AB		C	
VRS-CY1JD222J	5-100	AA		C	
VRS-CY1JD223J	5-101	AA		C	
VRS-CY1JD272J	5-102	AA		C	
VRS-CY1JD331J	5-103	AA		C	
VRS-CY1JD332J	5-130	AA		C	
VRS-CY1JD362F	5-104	AA		C	
VRS-CY1JD471J	5-105	AA		C	
VRS-CY1JD473J	5-106	AA		C	
VRS-CY1JD563J	5-107	AA		C	
VRS-CY1JD821J	5-108	AA		C	
VRS-CY2AY243F	5-109	AA		C	
VRS-CY2AY272F	5-110	AA		C	
VRS-CY2AY303F	5-111	AA		C	
VRS-CY2AY392J	5-112	AA		C	
VRS-CY2AY473F	5-113	AA		C	
VRS-CY2AY510J	5-114	AA		C	
VRS-CY2AY561J	5-115	AA		C	
VRS-CY2AY911F	5-116	AA		C	
VS2SD2212++-1	5-117	AG		B	
VS2SK2731//-1	5-118	AD		B	
VSKRA101M//-1	5-119	AD		B	
〃	6- 16	AD		B	
VSKRA106S//-1	5-120	AF		B	
VSKRC106S//-1	5-121	AD		B	
VSKRC111S//-1	5-122	AD		B	
VSKTA1663//-1	5-123	AE		B	
〃	6- 17	AE		B	
VSKTA1664//-1	5-124	AD		B	
〃	6- 18	AD		B	
VSKTD998///-1	5-125	AS		B	
【X】					
XBBSC30P06000	1- 12	AA		C	
XBPSD26P06000	1- 38	AA		C	
XBPSD30P06000	5-126	AA		C	
XBPSD40P06K00	4- 43	AA		C	
XEBSD30P08000	1- 15	AA		C	
XHBSD30P04000	1- 37	AA		C	
XHBSD30P12000	4- 33	AA		C	
XHBSD30P18000	1- 21	AA		C	
XHBSD40P12000	4- 35	AA		C	
XHBSD40P25000	1- 25	AB		C	
XHPSC30P08000	4- 42	AA		C	
XHSSD30P06000	4- 20	AA		C	
XJPSD30P06000	1- 53	AA		C	
〃	2- 10	AA		C	
〃	2- 11	AA		C	
XNESD60-50000	4- 13	AA		C	
〃	4- 39	AA		C	
XRESJ40-06000	4- 12	AA		C	
XRESJ50-06000	4- 16	AA		C	
XUBSD40P08000	1- 26	AA		C	
XUPSD30P08000	4- 2	AA		C	

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XE-A201 Quick Start Guide

English

For quick set-up, follow the steps shown below. Note that malfunction may occur if you do not follow the steps. For further information, please read the instruction manual. Before setting up your cash register, prepare three new R6 or LR6 batteries ("AA" size), which are necessary for memory backup, and find a stable surface near an AC outlet where the cash register is not subject to water sources or direct sunlight.

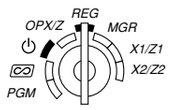
1 Preparing the Cash Register

Initializing the Cash Register

To ensure the cash register operates properly, initialize it using the following procedure.

1. Make sure the AC power cord is unplugged and batteries are not installed on the register.

2. Insert the manager (MA) key into the mode switch and turn it to the REG position.



3. Insert the plug of the AC power cord into the AC outlet. A buzzer will sound three times.

IMPORTANT: This operation must be performed without batteries installed.

4. The register display should now show "L 0.00".

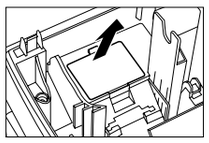
NOTE: If the buzzer does not sound when the plug is inserted, the initialization has not been done successfully. Wait at least one minute after pulling out the plug, and insert the plug again.

Installing the Batteries

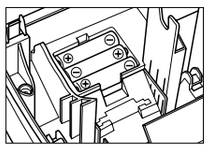
Install three new R6 or LR6 batteries ("AA" size) according to the procedure shown below with the power cord connected and set the mode switch to REG position.

1. Lift the rear of the printer cover and detach it.

2. Open the battery compartment cover.



3. Install three new R6 or LR6 batteries ("AA" size). Make sure that the batteries are installed as per the diagram.



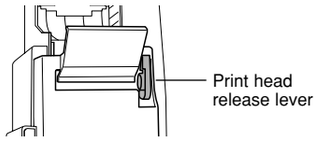
4. Confirm the no battery symbol "L" lights off.

5. Close the battery compartment cover.

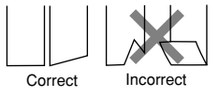
2 Installing the Paper Roll

(for receipt printing)

1. Make sure the print head release lever is positioned as per the diagram.

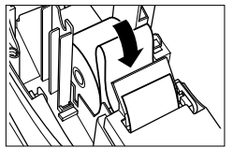


2. Cut off approximately one revolution of the paper roll. Make sure the paper end is cut as per the diagram.

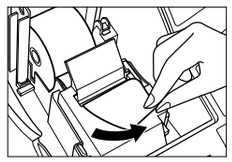


3. Set the paper in paper cradle as per the diagram.

4. Insert the end of the paper into the printer until it is caught by the printer auto-feed and comes out of the top of the printer. If the printer does not catch the paper, feed the paper while pressing [↑].



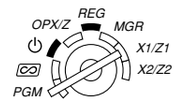
5. Cut off the excess paper using the edge of the inner cover, and replace the printer cover. Press [↑] to make sure the paper end comes out of the printer cover.



NOTE: If you want to use a paper roll for journal printing, please refer to GETTING STARTED section of the instruction manual.

3 Basic Programming

Set the mode switch to the PGM position.



Setting the Date

Enter the date in 8 digits using the day-month-year format. Then press [#/TM/ST].

Example:

(2)(6)(0)(8)(2)(00)(2)[#/TM/ST]

Date (26 August, 2002)

Setting the Time

Enter the time in 4 digits ("hhmm" format) using the 24 hour system. Then press [#/TM/ST].

Example:

(1)(4)(3)(0)[#/TM/ST]

Time (2:30 p.m.)

Other programming

While the cash register is preprogrammed so that it can be used with minimal set-up, you may need to program some items such as;

- Setting for introduction of EURO
- Department text and logo message
- VAT/tax

For details of programming, please refer to the instruction manual.

4 Now, you are ready for sales entries.

Set the mode switch to the REG position, and start sales entry.

Enter a clerk code (1 to 15) and press [CLK#]. The clerk code 1 is set by default. (Once the clerk code is entered, re-entry of the clerk code is not needed until the clerk is changed.)

Example:

(2)[CLK#]

Clerk code

Registration Example

(when selling department items by cash)

1. Enter the price for the first department item.
For example for 5.00, enter (5)(00), and press the appropriate department key.
For department 17 to department 32, press [DEPTSHIFT] first before pressing the department key.
For department 33 and above, enter the price and press [AMT], then enter the department code using numeric keys and press [DEPT#].

2. Repeat step 1 for all the department items.

3. Press [#/TM/ST] to display the amount due.

4. Enter the amount received from the customer. (You can omit this step if the amount tendered is the same as the subtotal.)

5. Press [TL/NS], and the change due is displayed and the drawer is opened.

6. Tear off the receipt and give it to the customer with his or her change.

7. Close the drawer.

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XE-A201 Schnellstartanleitung

Deutsch

Für eine schnelle Aufstellung der Registrierkasse beachten Sie bitte die folgenden Schritte. Bei Vernachlässigung dieser Verfahrensschritte kann es zu Störungen beim Registrierkassenbetrieb kommen. Nähere Informationen entnehmen Sie bitte der Bedienungsanleitung. Vor der Aufstellung der Registrierkasse sind drei neue Mignon-Batterien (R6 oder LR6) einzusetzen. Die Batterien dienen zur Speichersicherung. Stellen Sie die Registrierkasse auf einer stabilen Fläche auf, die gegen Spritzwasser und direkte Sonneneinstrahlung geschützt ist.

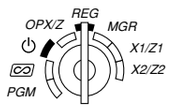
1 Vorbereitung der Registrierkasse

Initialisierung der Registrierkasse

Damit Ihre Registrierkasse richtig arbeiten kann, müssen Sie diese nach dem folgenden Verfahren initialisieren:

1. Stellen Sie sicher, daß der Netzstecker abgezogen ist und sich keine Batterien in der Registrierkasse befinden.

2. Stecken Sie den Managerschlüssel (MA) in das Funktionsschloß, und drehen Sie ihn auf die Position REG.



3. Schließen Sie den Netzstecker an eine Netzsteckdose an. Ein Summton ertönt nun dreimal.

WICHTIG: Dieser Vorgang darf nur durchgeführt werden, wenn sich keine Batterien in der Registrierkasse befinden.

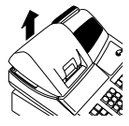
4. In der Anzeige der Registrierkasse erscheint nun „ 0.00“.

HINWEIS: Falls der Summer nicht ertönt, wenn Sie den Netzstecker anschließen, wurde die Initialisierung nicht erfolgreich ausgeführt. In diesem Fall warten Sie mindestens eine Minute nach dem Abziehen des Netzsteckers; stecken Sie erst nach Ablauf dieser Wartezeit den Netzstecker wieder in die Netzsteckdose.

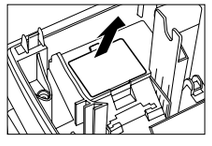
Einsetzen der Batterien

Sie müssen drei neue Mignon-Batterien (R6 oder LR6) gemäß dem nachfolgenden Verfahren einsetzen. Die Registrierkasse muß dabei an das Netz angeschlossen sein und das Funktionsschloß auf REG stehen.

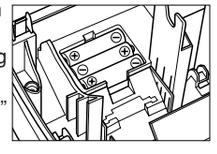
1. Heben Sie die Druckwerkabdeckung an der Rückseite an, und nehmen Sie diese ab.



2. Öffnen Sie den Batteriefachdeckel.



3. Setzen Sie drei neue Mignon-Batterien (R6 oder LR6) ein. Stellen Sie sicher, daß die Batterien gemäß der Abbildung eingesetzt werden.



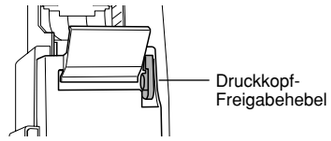
4. Stellen Sie sicher, daß das Symbol “ ” im Display erlöscht.

5. Schließen Sie den Batteriefachdeckel.

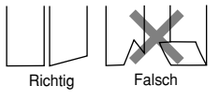
2 Einsetzen der Papierrolle

(für Kassenbonausdruck)

1. Stellen Sie sicher, daß der Druckkopf-Freigabehebel verstellt ist, wie in der Abbildung dargestellt.

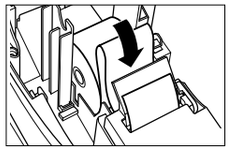


2. Schneiden Sie ungefähr eine Windung von der Papierrolle ab. Achten Sie dabei darauf, daß das Papierende gemäß der Abbildung abgeschnitten wird.

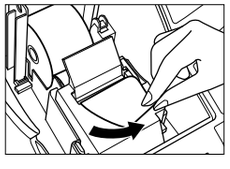


3. Setzen Sie die Papierrolle in die Papieraufnahme ein, wie in der Abbildung dargestellt.

4. Führen Sie das Ende des Papierstreifens in den Drucker ein, bis es von dem automatischen Papiervorschub erfaßt wird und an der Oberseite des Druckers austritt. Falls der Drucker den Papierstreifen nicht erfaßt, betätigen Sie den Papiervorschub durch Drücken der [↑] Taste.



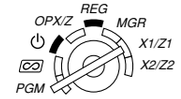
5. Trennen Sie den überschüssigen Papierstreifen an der Kante der inneren Abdeckung ab und bringen Sie die Druckwerkab-deckung wieder an. Drücken Sie nun die Taste [↑], um sicherzustellen, daß der Papierstreifen aus der Druckwerkabdeckung heraustransportiert wird.



ZUR BEACHTUNG: Falls Sie für den Journaldruck eine Papierrolle benutzen möchten, beziehen Sie sich bitte auf den Abschnitt “VOR DER REGISTRIERUNG” in der Bedienungsanleitung.

3 Programmierung der grundlegenden Funktionen

Drehen Sie das Funktionsschloß in die Position PGM.



Einstellung des Datums

Für die Einstellung des Datums geben Sie dieses mit acht Stellen in der Reihenfolge Tag/Monat/Jahr ein, und drücken Sie danach die [#/TM/ST] Taste.

Beispiel:

(2)(6)(0)(8)(2)(00)(2)[#/TM/ST]

Datum (26. August 2002)

Einstellung der Uhrzeit

Die Uhrzeit ist mit bis zu vier Stellen (Stunden/Minuten) im 24-Stunden-Format einzugeben. Drücken Sie danach die [#/TM/ST] Taste.

Beispiel:

(1)(4)(3)(0)[#/TM/ST]

Uhrzeit (14:30)

Weitere Programmierungen

Während die Registrierkasse bereits ab Werk für eine Minimalnutzung vorprogrammiert wurde, sind eventuell weitere erforderliche Funktionen zu programmieren:

- Programmierung der EURO-Funktion
- Textprogrammierung für Warengruppen und Logotext
- Mehrwertsteuer

Nähere Einzelheiten hinsichtlich der Programmierung finden Sie in der Bedienungsanleitung.

4 Beginn der Verkaufseingaben

Drehen Sie das Funktionsschloß auf die Position REG und beginnen Sie mit der Verkaufseingabe.

Geben Sie Ihren Bedienercode ein (1 bis 15) und drücken Sie die Taste [CLK#]. Werksseitig ist bereits der Bedienercode 1 angemeldet. (Wenn ein Bedienercode registriert wurde, ist eine erneute Registrierung erst dann erforderlich, wenn ein Bedienerwechsel stattfindet.)

Beispiel:

(2)[CLK#]

Bedienercode

Registrierungsbeispiel

(wenn Warengruppenartikel für bar verkauft werden)

1. Geben Sie den Preis für den ersten Warengruppenposten ein. Falls dieser z.B. 5.00 beträgt, geben Sie (5)(00) ein, und drücken Sie danach die entsprechende Warengruppentaste.
Für die Warengruppen 17 bis 32 drücken Sie zuerst die [DEPTSHIFT] Taste, bevor Sie die Warengruppentaste betätigen.
Für die Warengruppen ab 33 geben Sie den Preis ein, drücken Sie danach die [AMT] Taste, geben Sie anschließend den Warengruppencode unter Verwendung der Zehnertastatur ein und drücken Sie die [DEPT#] Taste.

2. Wiederholen Sie den Schritt 1 für alle Warengruppenposten.

3. Drücken Sie die [#/TM/ST] Taste, um den zu bezahlenden Betrag anzuzeigen.

4. Geben Sie den vom Kunden erhaltenen Betrag ein. (Sie können diesen Schritt auslassen, wenn der übergebene Betrag mit der Zwischensumme übereinstimmt.)

5. Drücken Sie die [TL/NS] Taste, wodurch der fällige Wechselgeldbetrag angezeigt wird und die Schublade öffnet.

6. Reißen Sie den Kassenbon ab, und übergeben Sie diesen gemeinsam mit dem Wechselgeld dem Kunden.

7. Schließen Sie die Schublade.

Hotline-Telephonnummer: 0180/51 51 666

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Guide de démarrage rapide de la XE-A201

Français

Pour une installation rapide, suivez les étapes indiquées ci-dessous. Notez qu'un fonctionnement défectueux risque de survenir si vous ne suivez pas ces étapes. Pour plus d'informations, veuillez lire le manuel d'instructions. Avant de mettre en marche votre caisse enregistreuse, préparez trois piles neuves R6 ou LR6 (dimension "AA"), qui sont nécessaires pour la sauvegarde de la mémoire, et installez la caisse enregistreuse sur une surface stable et plane à proximité d'une prise de courant secteur qui ne soit pas soumise à des éclaboussures d'eau ou à des rayons solaires directs.

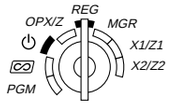
1 Préparatifs de la caisse enregistreuse

Initialisation de la caisse enregistreuse

Pour s'assurer que votre caisse enregistreuse fonctionne correctement, initialisez-la en utilisant la procédure suivante.

1. Assurez-vous que le câble d'alimentation soit débranché et qu'il n'y ait pas de piles installées dans l'enregistreuse.

2. Introduisez la clé du directeur (MA) dans le commutateur de mode et tournez-la sur la position REG.



3. Insérez la fiche du câble d'alimentation dans une prise de courant secteur. Un avertissement sonore retentira trois fois.

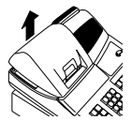
IMPORTANT: Cette opération doit être effectuée sans avoir installé les piles.

4. L'affichage de l'enregistreuse devra indiquer maintenant "L 0.00".

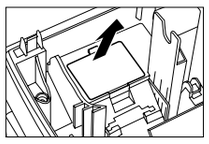
NOTA: Si un avertissement sonore ne retentit pas lorsque la fiche est insérée, cela signifie que l'initialisation n'a pas été satisfaisante. Dans ce cas, attendez au moins une minute après avoir retiré la fiche et réintroduisez-la à nouveau dans la prise de courant.

Installation des piles

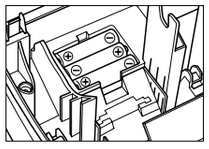
Installez trois piles neuves R6 ou LR6 (dimension "AA") selon la procédure montrée ci-dessous avec le câble secteur raccordé et réglez sur la position REG.



1. Soulevez l'arrière du capot de l'imprimante et retirez-le.



2. Ouvrez le couvercle du compartiment de la batterie.



3. Installez trois piles neuves R6 ou LR6 (dimension "AA"). Assurez-vous que les piles soient installées correctement, comme il est montré sur le schéma.

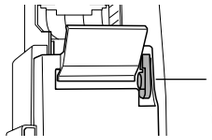
4. Assurez-vous que le symbole de manque de piles "L" soit éteint.

5. Refermez le couvercle du compartiment de la batterie.

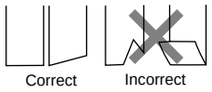
2 Installation du rouleau de papier

(pour une impression de reçus)

1. Assurez-vous que le levier de libération de la tête d'impression est réglé, comme il est montré sur le schéma.

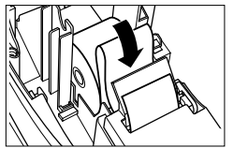


2. Coupez approximativement un tour du rouleau de papier. Assurez-vous que l'extrémité du papier soit coupée comme il est montré sur le schéma.

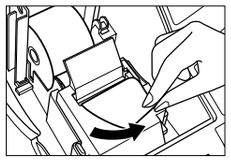


3. Installez le rouleau de papier dans le berceau pour papier, comme il est montré sur le schéma.

4. Installez l'extrémité du papier dans l'imprimante jusqu'à ce qu'elle soit captée par l'alimentation automatique de l'imprimante et ressorte à la partie supérieure de l'imprimante. Si l'imprimante ne peut capter le papier, faites avancer le papier en appuyant sur la touche [↑].



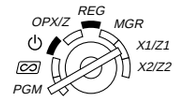
5. Coupez l'excès de papier en utilisant le bord du couvercle interne et remettez en place le capot de l'imprimante. Appuyez sur la touche [↑] pour vous assurer que l'extrémité du papier ressort du capot de l'imprimante.



NOTA: Si vous désirez utiliser un rouleau de papier pour l'impression d'une bande de détails quotidiens, veuillez vous référer à la section POUR METTRE EN MARCHE du manuel d'instructions.

3 Programmation de base

Réglez le commutateur de mode sur la position PGM.



Réglage de la date

Introduisez la date avec 8 chiffres en utilisant la disposition jour-mois-année. Puis, appuyez sur la touche [#/TM/ST].

Exemple:

2 6 0 8 2 00 2 #/TM/ST

Date (26 août 2002)

Réglage de l'heure

Introduisez l'heure avec 4 chiffres (composition "hhmm") en utilisant le système horaire de 24 heures. Puis, appuyez sur la touche [#/TM/ST].

Exemple:

1 4 3 0 #/TM/ST

Heure (2:30 de l'après-midi)

Autres programmations

Bien que votre caisse enregistreuse ait été préprogrammée de manière à ce que vous ayez un minimum de réglages à effectuer, vous aurez peut-être besoin de programmer d'autres articles, tels que:

- Réglage pour l'introduction de l'EURO
- Texte du rayon et message logotype
- T.V.A./taxe

Pour des détails sur la programmation, veuillez vous référer au manuel d'instructions.

4 Maintenant, vous être prêt pour des entrées de ventes.

Réglez le commutateur de mode sur la position REG et commencez l'entrée des ventes.

Introduisez le code d'un employé (1 à 15) et appuyez sur la touche [CLK#]. Implicitement, le code d'un employé est préréglé sur 1. (Une fois que le code de l'employé est introduit, une réentrée du code de l'employé n'est plus nécessaire jusqu'à ce que l'employé soit remplacé par un autre.)

Exemple:

2 CLK#

Code de l'employé

Exemple d'enregistrement

(lors de la vente de l'article d'un rayon et d'un payement au comptant)

1. Introduisez le prix pour l'article du premier rayon.
Par exemple, pour 5,00, introduisez 5 00 et appuyez sur la touche du rayon approprié.
Pour les rayons 17 à 32, appuyez tout d'abord sur la touche [DEPTSHIFT] avant d'appuyer sur la touche du rayon.
Pour le rayon 33 et au-dessus, introduisez le prix et appuyez ensuite sur la touche [AMT]. Puis, introduisez le code du rayon en utilisant les touches numériques et appuyez sur la touche [DEPT#].

2. Répétez l'étape 1 pour tous les articles du rayon.

3. Appuyez sur la touche [#/TM/ST] pour faire afficher le montant dû.

4. Introduisez le montant reçu par le client. (Vous pouvez omettre cette étape si la somme présentée est la même que celle du total partiel.)

5. Appuyez sur la touche [TL/NS], le requis du rendu sera affiché et le tiroir s'ouvrira.

6. Détachez le reçu et donnez-le au client avec son rendu affiché.

7. Refermez le tiroir.

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Guía de inicio rápido de la XE-A201

Español

Para realizar la configuración rápida, siga los pasos mostrados a continuación. Tenga presente que es posible que se produzca un mal funcionamiento si no siguen los pasos. Para más información, lea el manual de instrucciones. Antes de configurar la caja registradora, prepare tres pilas nuevas R6 o LR6 (tamaño “AA”) que serán necesarias para respaldar la memoria. Busque una superficie estable cerca de una toma de corriente de CA donde la caja registradora no pueda quedar expuesta al agua ni a la luz directa del sol.

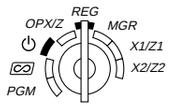
1 Prepare la caja registradora.

Inicialice la caja registradora.

Para asegurarse de que la caja registradora funciona correctamente, inicialícela empleando el siguiente procedimiento.

1. Asegúrese de que el cable de la alimentación de CA esté desenchufado y que no se hayan instalado las pilas en la caja registradora.

2. Inserte la llave de administrador (MA) en el selector de modo y gírelo a la posición REG.



3. Enchufe la clavija del cable de alimentación de CA en la toma de corriente de CA. El zumbador sonará tres veces.

IMPORTANTE: Esta operación debe efectuarse antes de haber instalado las pilas.

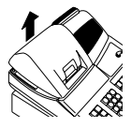
4. El visualizador de la caja registradora mostrará “ 0.00”.

NOTA: Si el zumbador no suena cuando se enchufa la clavija, significa que la inicialización no ha sido realizada con éxito. Después de desenchufar la clavija, espere un minuto por lo menos antes de volver a enchufarla.

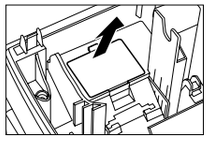
Instale las pilas.

Instale tres pilas nuevas R6 o LR6 (tamaño “AA”) de acuerdo con el siguiente procedimiento con el cable de CA enchufado y ponga el selector de modo en la posición REG.

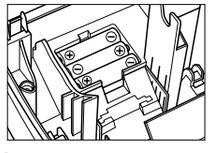
1. Levante la parte posterior de la cubierta de la impresora y sepárela.



2. Abra la cubierta del compartimiento de las pilas.



3. Instale las tres pilas nuevas R6 o LR6 (tamaño “AA”). Asegúrese de que las pilas estén instaladas según la ilustración.



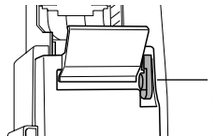
4. Compruebe que esté apagado el símbolo “ ” que indica que no hay pilas.

5. Cierre la cubierta del compartimiento de las pilas.

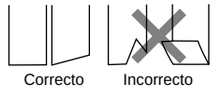
2 Instale el rollo de papel.

(para imprimir recibos)

1. Asegúrese de que la palanca de liberación del cabezal de impresión esté puesta según la ilustración.

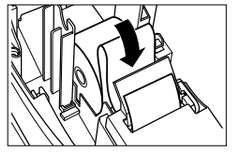


2. Corte el papel aproximadamente una vuelta del rollo. Asegúrese de que el extremo del papel se corte según la ilustración.

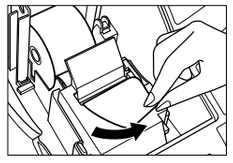


3. Ponga el papel en el soporte del papel según la ilustración.

4. Inserte el extremo del papel en la impresora hasta que entre en el dispositivo de alimentación automática de la impresora y salga por la parte superior de la impresora. Si la impresora no engancha el papel, haga avanzar el papel mientras pulsa la tecla [↑].



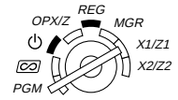
5. Corte el papel sobrante empleando el borde de la cubierta interior, y vuelva a colocar la cubierta de la impresora. Pulse la tecla [↑] para asegurarse de que el papel sale por la cubierta de la impresora.



NOTA: Si desea emplear un rollo de papel para la impresión del registro diario, consulte la sección de PARA EMPEZAR del manual de instrucciones.

3 Programación básica

Ponga el selector de modo en la posición PGM.



Ajuste de la fecha

Introduzca la fecha con 8 dígitos, usando el formato de día-mes-año. Luego, pulse [#/TM/ST].

Ejemplo:

2 6 0 8 2 00 2 #/TM/ST

Fecha (26 Agosto 2002)

Ajuste de la hora

Introduzca la hora con 4 dígitos (formato “hhmm”), usando el sistema de 24 horas. Luego, pulse [#/TM/ST].

Ejemplo:

1 4 3 0 #/TM/ST

Hora (2:30 p.m.)

Otras programaciones

Aunque la caja registradora viene ya programada para poderla utilizar con la mínima configuración, es posible que necesite programar algunos elementos;

- Ajuste para la introducción del EURO
- Text de sección y mensaje de membrete
- IVA/impuestos

Para los detalles de la programación, consulte el manual de instrucciones.

4 Ahora ya estará preparado para los registros de ventas.

Ponga el selector de modo en la posición REG e inicie el registro de ventas.

Introduzca un código de dependiente (1 a 15) y pulse [CLK#]. El código de dependiente 1 se ajusta al predeterminado. (Una vez se ha introducido el código de dependiente, no será necesario volver a introducirlo hasta que se cambie el dependiente.)

Ejemplo:

2 CLK#

Código de dependiente

Ejemplo de registro

(cuando se venden artículos de sección pagados en metálico)

1. Introduzca el precio del primer artículo de la sección.
Por ejemplo, para 5,00 introduzca 5 00 y pulse la tecla de la sección apropiada.
Para las secciones 17 a 32, pulse primero [DEPTSHIFT] antes de pulsar la tecla de sección.
Para la sección 33 y las posteriores, introduzca el precio y pulse [AMT], y luego introduzca el código de sección empleando las teclas numéricas y pulse [DEPT#].

2. Repita el paso 1 para todos los artículos de la sección.

3. Pulse [#/TM/ST] para visualizar el importe correspondiente.

4. Introduzca el importe recibido del cliente. (Puede omitirse este paso, si el importe recibido es el mismo que el subtotal.)

5. Pulse [TL/NS], y se visualizará la vuelta correspondiente y se abrirá el cajón.

6. Corte el recibo y déselo al cliente con la vuelta.

7. Cierre el cajón.

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